

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 4, 2005, 22:34:01 ; Search time 106.826 Seconds

(without alignments)
252.575 Million cell updates/sec

Title: US-09-724-000a-5

Perfect score: 442

Sequence: 1 MRLVLSLTLILCFPSIF.....PCKLEPRRLMVPPALPQV 81

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1426032 seqs, 33106140 residues

Total number of hits satisfying chosen parameters: 1426032

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 1000 summaries

Database :

Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US05_PUBCOMB.pep:*
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14: /cgn2_6/ptodata/1/pubpaa/US04_PUBCOMB.pep:*
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18: /cgn2_6/ptodata/1/pubpaa/US00_PUBCOMB.pep:*
19: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
20: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	442	100.0	81	9	US-09-800-729-96
2	442	100.0	81	9	US-09-881-353-178
3	442	100.0	81	11	US-09-833-245-2160
4	442	100.0	81	14	US-10-028-072-150
5	442	100.0	81	14	US-10-140-808-150
6	442	100.0	81	14	US-10-121-049-150
7	442	100.0	81	14	US-10-123-904-150
8	442	100.0	81	14	US-10-140-470-150
9	442	100.0	81	14	US-10-175-746-150
10	442	100.0	81	14	US-10-176-918-150
11	442	100.0	81	14	US-10-176-921-150
12	442	100.0	81	14	US-10-137-865-150
13	442	100.0	81	14	US-10-140-474-150

14	442	100.0	81	14	US-10-142-431-150	Sequence 150, App
15	442	100.0	81	14	US-10-143-114-150	Sequence 150, App
16	442	100.0	81	14	US-10-142-419-150	Sequence 150, App
17	442	100.0	81	14	US-10-123-262-150	Sequence 150, App
18	442	100.0	81	14	US-10-142-423-150	Sequence 150, App
19	442	100.0	81	14	US-10-121-050-150	Sequence 150, App
20	442	100.0	81	14	US-10-141-755-150	Sequence 150, App
21	442	100.0	81	14	US-10-143-032-150	Sequence 150, App
22	442	100.0	81	14	US-10-123-108-150	Sequence 150, App
23	442	100.0	81	14	US-10-123-261-150	Sequence 150, App
24	442	100.0	81	14	US-10-123-261-150	Sequence 150, App
25	442	100.0	81	14	US-10-140-921-150	Sequence 150, App
26	442	100.0	81	14	US-10-140-928-150	Sequence 150, App
27	442	100.0	81	14	US-10-121-045-150	Sequence 150, App
28	442	100.0	81	14	US-10-123-292-150	Sequence 150, App
29	442	100.0	81	14	US-10-123-292-150	Sequence 150, App
30	442	100.0	81	14	US-10-124-819-150	Sequence 150, App
31	442	100.0	81	14	US-10-124-822-150	Sequence 150, App
32	442	100.0	81	14	US-10-127-835A-150	Sequence 150, App
33	442	100.0	81	14	US-10-127-839A-150	Sequence 150, App
34	442	100.0	81	14	US-10-127-901A-150	Sequence 150, App
35	442	100.0	81	14	US-10-124-824-150	Sequence 150, App
36	442	100.0	81	14	US-10-127-825A-150	Sequence 150, App
37	442	100.0	81	14	US-10-127-829A-150	Sequence 150, App
38	442	100.0	81	14	US-10-127-835A-150	Sequence 150, App
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40	442	100.0	81	14	US-10-127-901A-150	Sequence 150, App
41	442	100.0	81	14	US-10-128-633A-150	Sequence 150, App
42	442	100.0	81	14	US-10-131-818A-150	Sequence 150, App
43	442	100.0	81	14	US-10-131-823A-150	Sequence 150, App
44	442	100.0	81	14	US-10-131-830A-150	Sequence 150, App
45	442	100.0	81	14	US-10-131-837A-150	Sequence 150, App
46	442	100.0	81	14	US-10-123-902-150	Sequence 150, App
47	442	100.0	81	14	US-10-137-872A-150	Sequence 150, App
48	442	100.0	81	14	US-10-147-500-150	Sequence 150, App
49	442	100.0	81	14	US-10-147-502-150	Sequence 150, App
50	442	100.0	81	14	US-10-147-515-150	Sequence 150, App
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57	442	100.0	81	14	US-10-123-915-150	Sequence 150, App
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61	442	100.0	81	14	US-10-123-910-150	Sequence 150, App
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65	442	100.0	81	14	US-10-125-924-150	Sequence 150, App
66	442	100.0	81	14	US-10-140-860-150	Sequence 150, App
67	442	100.0	81	14	US-10-142-417-150	Sequence 150, App
68	442	100.0	81	14	US-10-147-519-150	Sequence 150, App
69	442	100.0	81	14	US-10-157-782-150	Sequence 150, App
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71	442	100.0	81	14	US-10-125-926A-150	Sequence 150, App
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86	442	100.0	81	14	US-10-128-690A-150	Sequence 150, App

87	442	100.0	81	14	US-10-128-691A-150	Sequence 150, App	150	442	100.0	81	14	US-10-142-767-150	Sequence 150, App
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89	442	100.0	81	14	US-10-131-829A-150	Sequence 150, App	152	442	100.0	81	14	US-10-144-99A-150	Sequence 150, App
90	442	100.0	81	14	US-10-131-836A-150	Sequence 150, App	153	442	100.0	81	14	US-10-145-628-150	Sequence 150, App
91	442	100.0	81	14	US-10-146-729-150	Sequence 150, App	154	442	100.0	81	14	US-10-145-746-150	Sequence 150, App
92	442	100.0	81	14	US-10-146-791-150	Sequence 150, App	155	442	100.0	81	14	US-10-145-748-150	Sequence 150, App
93	442	100.0	81	14	US-10-147-484-150	Sequence 150, App	156	442	100.0	81	14	US-10-145-823-150	Sequence 150, App
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99	442	100.0	81	14	US-10-121-061-150	Sequence 150, App	172	442	100.0	81	14	US-10-146-725-150	Sequence 150, App
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102	442	100.0	81	14	US-10-137-868-150	Sequence 150, App	175	442	100.0	81	14	US-10-147-501-150	Sequence 150, App
103	442	100.0	81	14	US-10-147-492-150	Sequence 150, App	176	442	100.0	81	14	US-10-147-504-150	Sequence 150, App
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106	442	100.0	81	14	US-10-123-907-150	Sequence 150, App	179	442	100.0	81	14	US-10-147-510-150	Sequence 150, App
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114	442	100.0	81	14	US-10-127-827A-150	Sequence 150, App	187	442	100.0	81	14	US-10-140-021-150	Sequence 150, App
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124	442	100.0	81	14	US-10-128-688A-150	Sequence 150, App	197	442	100.0	81	14	US-10-140-862-150	Sequence 150, App
125	442	100.0	81	14	US-10-128-689A-150	Sequence 150, App	198	442	100.0	81	14	US-10-141-697-150	Sequence 150, App
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135	442	100.0	81	14	US-10-137-864A-150	Sequence 150, App	208	442	100.0	81	14	US-10-142-821-150	Sequence 150, App
136	442	100.0	81	14	US-10-137-869A-150	Sequence 150, App	209	442	100.0	81	14	US-10-152-531-150	Sequence 150, App
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141	442	100.0	81	14	US-10-123-912-150	Sequence 150, App	214	442	100.0	81	14	US-10-142-765-150	Sequence 150, App
142	442	100.0	81	14	US-10-235-994-14	Sequence 14, App1	215	442	100.0	81	14	US-10-142-887-150	Sequence 150, App
143	442	100.0	81	14	US-10-192-007-150	Sequence 150, App	216	442	100.0	81	14	US-10-142-888-150	Sequence 150, App
144	442	100.0	81	14	US-10-194-359-150	Sequence 150, App	217	442	100.0	81	14	US-10-143-034-150	Sequence 150, App
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146	442	100.0	81	14	US-10-137-866-150	Sequence 150, App	219	442	100.0	81	14	US-10-144-957-150	Sequence 150, App
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153	442	100.0	81	14	US-10-140-924-150	Sequence 150, App	226	442	100.0	81	14	US-10-145-747-150	Sequence 150, App
154	442	100.0	81	14	US-10-140-926-150	Sequence 150, App	227	442	100.0	81	14	US-10-145-752-150	Sequence 150, App
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159	442	100.0	81	14	US-10-142-432-150	Sequence 150, App	232	442	100.0	81	14	US-10-145-872-150	Sequence 150, App

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245	442	100.0	81	14	US-10-145-824-150	Sequence 150, App	318	442	100.0	81	14	US-10-125-927-150	Sequence 150, App
246	442	100.0	81	14	US-10-145-827-150	Sequence 150, App	319	442	100.0	81	14	US-10-142-889-150	Sequence 150, App
247	442	100.0	81	14	US-10-145-669-150	Sequence 150, App	320	442	100.0	81	14	US-10-145-874-150	Sequence 150, App
248	442	100.0	81	14	US-10-145-875-150	Sequence 150, App	321	442	100.0	81	14	US-10-147-487-150	Sequence 150, App
249	442	100.0	81	14	US-10-145-877-150	Sequence 150, App	322	442	100.0	81	14	US-10-152-371-150	Sequence 150, App
250	442	100.0	81	14	US-10-145-958-150	Sequence 150, App	323	442	100.0	81	14	US-10-152-374-150	Sequence 150, App
251	442	100.0	81	14	US-10-146-787-150	Sequence 150, App	324	442	100.0	81	14	US-10-152-375-150	Sequence 150, App
252	442	100.0	81	14	US-10-146-790-150	Sequence 150, App	325	442	100.0	81	14	US-10-152-377-150	Sequence 150, App
253	442	100.0	81	14	US-10-146-793-150	Sequence 150, App	326	442	100.0	81	14	US-10-152-386-150	Sequence 150, App
254	442	100.0	81	14	US-10-147-480-150	Sequence 150, App	327	442	100.0	81	14	US-10-152-391-150	Sequence 150, App
255	442	100.0	81	14	US-10-147-485-150	Sequence 150, App	328	442	100.0	81	14	US-10-152-399-150	Sequence 150, App
256	442	100.0	81	14	US-10-147-486-150	Sequence 150, App	329	442	100.0	81	14	US-10-156-848-150	Sequence 150, App
257	442	100.0	81	14	US-10-147-487-150	Sequence 150, App	330	442	100.0	81	14	US-10-157-785-150	Sequence 150, App
258	442	100.0	81	14	US-10-147-490-150	Sequence 150, App	331	442	100.0	81	14	US-10-157-794-150	Sequence 150, App
259	442	100.0	81	14	US-10-147-494-150	Sequence 150, App	332	442	100.0	81	14	US-10-157-796-150	Sequence 150, App
260	442	100.0	81	14	US-10-147-498-150	Sequence 150, App	333	442	100.0	81	14	US-10-160-500-150	Sequence 150, App
261	442	100.0	81	14	US-10-147-514-150	Sequence 150, App	334	442	100.0	81	14	US-10-162-046-150	Sequence 150, App
262	442	100.0	81	14	US-10-147-524-150	Sequence 150, App	335	442	100.0	81	14	US-10-123-156-150	Sequence 150, App
263	442	100.0	81	14	US-10-152-379-150	Sequence 150, App	336	442	100.0	81	14	US-10-123-214-150	Sequence 150, App
264	442	100.0	81	14	US-10-152-394-150	Sequence 150, App	337	442	100.0	81	14	US-10-125-805-150	Sequence 150, App
265	442	100.0	81	14	US-10-152-406-150	Sequence 150, App	338	442	100.0	81	14	US-10-124-821-150	Sequence 150, App
266	442	100.0	81	14	US-10-156-847-150	Sequence 150, App	339	442	100.0	81	14	US-10-152-385-150	Sequence 150, App
267	442	100.0	81	14	US-10-157-778-150	Sequence 150, App	340	442	100.0	81	14	US-10-152-393-150	Sequence 150, App
268	442	100.0	81	14	US-10-157-799-150	Sequence 150, App	341	442	100.0	81	14	US-10-152-356-150	Sequence 150, App
269	442	100.0	81	14	US-10-160-504-150	Sequence 150, App	342	442	100.0	81	14	US-10-153-552-150	Sequence 150, App
270	442	100.0	81	14	US-10-145-634-150	Sequence 150, App	343	442	100.0	81	14	US-10-153-840-150	Sequence 150, App
271	442	100.0	81	14	US-10-147-520-150	Sequence 150, App	344	442	100.0	81	14	US-10-156-841-150	Sequence 150, App
272	442	100.0	81	14	US-10-157-781-150	Sequence 150, App	345	442	100.0	81	14	US-10-156-842-150	Sequence 150, App
273	442	100.0	81	14	US-10-176-989-150	Sequence 150, App	346	442	100.0	81	14	US-10-156-844-150	Sequence 150, App
274	442	100.0	81	14	US-10-147-491-150	Sequence 150, App	347	442	100.0	81	14	US-10-156-845-150	Sequence 150, App
275	442	100.0	81	14	US-10-152-378-150	Sequence 150, App	348	442	100.0	81	14	US-10-156-846-150	Sequence 150, App
276	442	100.0	81	14	US-10-152-382-150	Sequence 150, App	349	442	100.0	81	14	US-10-121-048-150	Sequence 150, App
277	442	100.0	81	14	US-10-152-383-150	Sequence 150, App	350	442	100.0	81	14	US-10-121-052-150	Sequence 150, App
278	442	100.0	81	14	US-10-152-384-150	Sequence 150, App	351	442	100.0	81	14	US-10-121-053-150	Sequence 150, App
279	442	100.0	81	14	US-10-152-387-150	Sequence 150, App	352	442	100.0	81	14	US-10-121-054-150	Sequence 150, App
280	442	100.0	81	14	US-10-152-389-150	Sequence 150, App	353	442	100.0	81	14	US-10-121-063-150	Sequence 150, App
281	442	100.0	81	14	US-10-152-390-150	Sequence 150, App	354	442	100.0	81	14	US-10-121-212-150	Sequence 150, App
282	442	100.0	81	14	US-10-152-392-150	Sequence 150, App	355	442	100.0	81	14	US-10-123-213-150	Sequence 150, App
283	442	100.0	81	14	US-10-153-756-150	Sequence 150, App	356	442	100.0	81	14	US-10-123-291-150	Sequence 150, App
284	442	100.0	81	14	US-10-157-779-150	Sequence 150, App	357	442	100.0	81	14	US-10-123-322-150	Sequence 150, App
285	442	100.0	81	14	US-10-157-784-150	Sequence 150, App	358	442	100.0	81	14	US-10-123-771-150	Sequence 150, App
286	442	100.0	81	14	US-10-157-797-150	Sequence 150, App	359	442	100.0	81	14	US-10-123-911-150	Sequence 150, App
287	442	100.0	81	14	US-10-158-491-150	Sequence 150, App	360	442	100.0	81	14	US-10-124-823-150	Sequence 150, App
288	442	100.0	81	14	US-10-142-762-150	Sequence 150, App	361	442	100.0	81	14	US-10-125-921-150	Sequence 150, App
289	442	100.0	81	14	US-10-142-764-150	Sequence 150, App	362	442	100.0	81	14	US-10-125-932-150	Sequence 150, App
290	442	100.0	81	14	US-10-142-766-150	Sequence 150, App	363	442	100.0	81	15	US-10-127-852A-150	Sequence 150, App
291	442	100.0	81	14	US-10-145-625-150	Sequence 150, App	364	442	100.0	81	15	US-10-127-900A-150	Sequence 150, App
292	442	100.0	81	14	US-10-145-627-150	Sequence 150, App	365	442	100.0	81	15	US-10-128-605A-150	Sequence 150, App
293	442	100.0	81	14	US-10-145-960-150	Sequence 150, App	366	442	100.0	81	15	US-10-131-820A-150	Sequence 150, App
299	442	100.0	81	14	US-10-147-516-150	Sequence 150, App	372	442	100.0	81	15	US-10-123-913-150	Sequence 150, App
300	442	100.0	81	14	US-10-152-398-150	Sequence 150, App	373	442	100.0	81	15	US-10-140-473-150	Sequence 150, App
301	442	100.0	81	14	US-10-139-980-150	Sequence 150, App	374	442	100.0	81	15	US-10-140-806-150	Sequence 150, App
302	442	100.0	81	14	US-10-145-750-150	Sequence 150, App	375	442	100.0	81	15	US-10-140-810-150	Sequence 150, App
303	442	100.0	81	14	US-10-152-373-150	Sequence 150, App	376	442	100.0	81	15	US-10-140-863-150	Sequence 150, App
404	442	100.0	81	14	US-10-121-044-150	Sequence 150, App	377	442	100.0	81	15	US-10-141-699-150	Sequence 150, App
405	442	100.0	81	14	US-10-121-055-150	Sequence 150, App	378	442	100.0	81	15	US-10-141-703-150	Sequence 150, App

379	442	100.0	81	15	US-10-141-706-150	Sequence 150, App	452	70.5	16.0	336	15	US-10-029-020-83	Sequence 83, App1
380	442	100.0	81	15	US-10-141-757-150	Sequence 150, App	453	70.5	16.0	402	15	US-10-023-339-25	Sequence 25, App1
381	442	100.0	81	15	US-10-141-762-150	Sequence 150, App	454	70.5	16.0	454	15	US-10-023-339-17	Sequence 17, App1
382	442	100.0	81	15	US-10-142-428-150	Sequence 150, App	455	70.5	16.0	523	9	US-09-910-174A-11	Sequence 11, App1
383	442	100.0	81	15	US-10-142-429-150	Sequence 150, App	456	70.5	16.0	523	9	US-09-955-866-10	Sequence 10, App1
384	442	100.0	81	15	US-10-142-884-150	Sequence 150, App	457	70.5	16.0	523	9	US-09-896-738-16	Sequence 16, App1
385	442	100.0	81	15	US-10-143-027-150	Sequence 150, App	458	70.5	16.0	523	14	US-10-087-887-53	Sequence 53, App1
386	442	100.0	81	15	US-10-143-115-150	Sequence 150, App	459	70.5	16.0	523	16	US-10-644-671-11	Sequence 11, App1
387	442	100.0	81	15	US-10-144-956-150	Sequence 150, App	460	70	15.8	301	16	US-10-437-963-19454	Sequence 19454, App1
388	442	100.0	81	15	US-10-144-958-150	Sequence 150, App	461	70	15.8	569	16	US-10-437-963-123904	Sequence 123904, App1
389	442	100.0	81	15	US-10-145-632-150	Sequence 150, App	462	69.5	15.7	208	15	US-10-425-114-53966	Sequence 53966, A
390	442	100.0	81	15	US-10-145-749-150	Sequence 150, App	463	69	15.6	79	16	US-10-437-963-186330	Sequence 186330, App1
391	442	100.0	81	15	US-10-145-753-150	Sequence 150, App	464	69	15.6	875	14	US-10-115-515-10	Sequence 10, App1
392	442	100.0	81	15	US-10-145-871-150	Sequence 150, App	465	68	15.4	342	15	US-10-424-599-178009	Sequence 178009, App1
393	442	100.0	81	15	US-10-146-878-150	Sequence 150, App	466	67	15.2	67	15	US-10-424-599-168501	Sequence 168501, App1
394	442	100.0	81	15	US-10-146-799-150	Sequence 150, App	467	67	15.2	606	16	US-10-437-963-117723	Sequence 117723, App1
395	442	100.0	81	15	US-10-147-489-150	Sequence 150, App	468	66.5	15.0	211	15	US-10-425-114-68766	Sequence 68766, A
396	442	100.0	81	15	US-10-147-507-150	Sequence 150, App	469	66.5	15.0	1509	16	US-10-437-963-109135	Sequence 109135, App1
397	442	100.0	81	15	US-10-147-535-150	Sequence 150, App	470	66	14.9	562	16	US-10-437-963-184586	Sequence 184586, App1
398	442	100.0	81	15	US-10-147-537-150	Sequence 150, App	471	66	14.9	786	16	US-10-437-963-117724	Sequence 117724, App1
399	442	100.0	81	15	US-10-152-381-150	Sequence 150, App	472	66	14.9	16995	15	US-10-084-846A-3	Sequence 3, App1
400	442	100.0	81	15	US-10-152-400-150	Sequence 150, App	473	65.5	14.8	109	10	US-09-946-374-304	Sequence 374, App1
401	442	100.0	81	15	US-10-152-400-150	Sequence 150, App	474	65.5	14.8	109	10	US-09-374-046A-134	Sequence 134, App1
402	442	100.0	81	15	US-10-153-585-150	Sequence 150, App	475	65.5	14.8	109	13	US-10-006-667-114	Sequence 114, App1
403	442	100.0	81	15	US-10-153-585-150	Sequence 150, App	476	65.5	14.8	109	13	US-10-052-586-344	Sequence 344, App1
404	442	100.0	81	15	US-10-157-800-150	Sequence 150, App	477	65.5	14.8	109	13	US-10-063-447-114	Sequence 114, App1
405	442	100.0	81	15	US-10-157-801-150	Sequence 150, App	478	65.5	14.8	109	13	US-10-063-551-114	Sequence 114, App1
406	442	100.0	81	15	US-10-157-802-150	Sequence 150, App	479	65.5	14.8	109	14	US-10-174-590-344	Sequence 344, App1
407	442	100.0	81	15	US-10-158-784-150	Sequence 150, App	480	65.5	14.8	109	14	US-10-176-758-344	Sequence 344, App1
408	442	100.0	81	15	US-10-158-789-150	Sequence 150, App	481	65.5	14.8	109	14	US-10-175-737-344	Sequence 344, App1
409	442	100.0	81	15	US-10-192-011-150	Sequence 150, App	482	65.5	14.8	109	14	US-10-063-616-114	Sequence 114, App1
410	442	100.0	81	15	US-10-139-963-150	Sequence 150, App	483	65.5	14.8	109	14	US-10-174-581-344	Sequence 344, App1
411	442	100.0	81	15	US-10-140-020-150	Sequence 150, App	484	65.5	14.8	109	14	US-10-176-483-344	Sequence 344, App1
412	442	100.0	81	15	US-10-140-023-150	Sequence 150, App	485	65.5	14.8	109	14	US-10-176-749-344	Sequence 344, App1
413	442	100.0	81	15	US-10-140-809-150	Sequence 150, App	486	65.5	14.8	109	14	US-10-176-914-344	Sequence 344, App1
414	442	100.0	81	15	US-10-140-865-150	Sequence 150, App	487	65.5	14.8	109	14	US-10-176-915-344	Sequence 344, App1
415	442	100.0	81	15	US-10-141-701-150	Sequence 150, App	488	65.5	14.8	109	14	US-10-063-569-114	Sequence 114, App1
416	442	100.0	81	15	US-10-141-754-150	Sequence 150, App	489	65.5	14.8	109	14	US-10-063-513-114	Sequence 114, App1
417	442	100.0	81	15	US-10-141-760-150	Sequence 150, App	490	65.5	14.8	109	14	US-10-063-512-114	Sequence 114, App1
418	442	100.0	81	15	US-10-142-425-150	Sequence 150, App	491	65.5	14.8	109	14	US-10-173-706-344	Sequence 344, App1
419	442	100.0	81	15	US-10-142-430-150	Sequence 150, App	492	65.5	14.8	109	14	US-10-175-738-344	Sequence 344, App1
420	442	100.0	81	15	US-10-146-730-150	Sequence 150, App	493	65.5	14.8	109	14	US-10-175-752-344	Sequence 344, App1
421	442	100.0	81	15	US-10-146-732-150	Sequence 150, App	494	65.5	14.8	109	14	US-10-175-752-344	Sequence 344, App1
422	442	100.0	81	15	US-10-146-792-150	Sequence 150, App	495	65.5	14.8	109	14	US-10-176-882-344	Sequence 344, App1
423	442	100.0	81	15	US-10-158-791-150	Sequence 150, App	496	65.5	14.8	109	14	US-10-176-882-344	Sequence 344, App1
424	442	100.0	81	15	US-10-158-791-150	Sequence 150, App	497	65.5	14.8	109	14	US-10-176-913-344	Sequence 344, App1
425	442	100.0	81	15	US-10-157-786-150	Sequence 150, App	498	65.5	14.8	109	14	US-10-180-552-344	Sequence 344, App1
426	442	100.0	81	15	US-10-152-405-150	Sequence 150, App	499	65.5	14.8	109	14	US-10-180-552-344	Sequence 344, App1
427	442	100.0	81	15	US-10-147-528-150	Sequence 150, App	500	65.5	14.8	109	14	US-10-063-502-114	Sequence 114, App1
428	442	100.0	81	15	US-10-128-692A-150	Sequence 150, App	501	65.5	14.8	109	14	US-10-173-700-344	Sequence 344, App1
429	442	100.0	81	15	US-10-140-927-150	Sequence 150, App	502	65.5	14.8	109	14	US-10-174-572-344	Sequence 344, App1
430	442	100.0	81	15	US-10-147-483-150	Sequence 150, App	503	65.5	14.8	109	14	US-10-174-579-344	Sequence 344, App1
431	442	100.0	81	15	US-10-145-127-150	Sequence 150, App	504	65.5	14.8	109	14	US-10-174-582-344	Sequence 344, App1
432	442	100.0	81	15	US-10-160-503-150	Sequence 150, App	505	65.5	14.8	109	14	US-10-174-588-344	Sequence 344, App1
433	442	100.0	81	15	US-10-143-118-150	Sequence 150, App	506	65.5	14.8	109	14	US-10-175-739-344	Sequence 344, App1
434	442	100.0	81	15	US-10-144-993-150	Sequence 150, App	507	65.5	14.8	109	14	US-10-175-739-344	Sequence 344, App1
435	442	100.0	81	15	US-10-158-787-150	Sequence 150, App	508	65.5	14.8	109	14	US-10-175-739-344	Sequence 344, App1
436	442	100.0	81	15	US-10-140-024-150	Sequence 150, App	509	65.5	14.8	109	14	US-10-176-488-344	Sequence 344, App1
437	442	100.0	81	15	US-10-147-536-150	Sequence 150, App	510	65.5	14.8	109	14	US-10-176-923-344	Sequence 344, App1
438	442	100.0	81	16	US-10-152-372-150	Sequence 150, App	511	65.5	14.8	109	14	US-10-176-747-344	Sequence 344, App1
439	442	100.0	81	17	US-10-931-886-150	Sequence 150, App	512	65.5	14.8	109	14	US-10-176-750-344	Sequence 344, App1
440	442	100.0	81	17	US-10-158-788-150	Sequence 150, App	513	65.5	14.8	109	14	US-10-176-885-344	Sequence 344, App1
441	442	100.0	81	9	US-09-800-729-184	Sequence 184, App	514	65.5	14.8	109	14	US-10-176-885-344	Sequence 344, App1
442	442	100.0	81	9	US-10-437-963-114272	Sequence 114272, App	515	65.5	14.8	109	14	US-10-176-992-344	Sequence 344, App1
443	442	100.0	81	16	US-10-437-963-123903	Sequence 123903, App	516	65.5	14.8	109	14	US-10-176-993-344	Sequence 344, App1
444	442	100.0	81	16	US-10-437-963-123898	Sequence 123898, App	517	65.5	14.8	109	14	US-10-184-658-344	Sequence 344, App1
445	442	100.0	81	16	US-10-437-963-123901	Sequence 123901, App	518	65.5	14.8	109	14	US-10-176-991-344	Sequence 344, App1
446	442	100.0	81	16	US-10-437-963-123906	Sequence 123906, App	519	65.5	14.8	109	14	US-10-063-549-114	Sequence 114, App1
447	442	100.0	81	16	US-10-437-963-123905	Sequence 123905, App	520	65.5	14.8	109	14	US-10-173-697-344	Sequence 344, App1
448	442	100.0	81	16	US-10-437-963-121484	Sequence 121484, App	521	65.5	14.8	109	14	US-10-173-697-344	Sequence 344, App1
449	442	100.0	81	14	US-10-017-161-3398	Sequence 2398, App	522	65.5	14.8	109	14	US-10-173-705-344	Sequence 344, App1
450	442	100.0	81	15	US-10-292-798-2040	Sequence 2040, App	523	65.5	14.8	109	14	US-10-174-576-344	Sequence 344, App1
451	442	100.0	81	15	US-10-023-339-39	Sequence 39, App1	524	65.5	14.8	109	14	US-10-174-585-344	Sequence 344, App1

525	65.5	14.8	109	14	US-10-174-586-344	Sequence 344, App	598	65.5	14.8	109	14	US-10-187-757-344	Sequence 344, App
526	65.5	14.8	109	14	US-10-175-747-344	Sequence 344, App	599	65.5	14.8	109	14	US-10-187-864-344	Sequence 344, App
527	65.5	14.8	109	14	US-10-176-481-344	Sequence 344, App	600	65.5	14.8	109	14	US-10-188-767-344	Sequence 344, App
528	65.5	14.8	109	14	US-10-176-485-344	Sequence 344, App	601	65.5	14.8	109	14	US-10-188-769-344	Sequence 344, App
529	65.5	14.8	109	14	US-10-176-487-344	Sequence 344, App	602	65.5	14.8	109	14	US-10-188-770-344	Sequence 344, App
530	65.5	14.8	109	14	US-10-176-493-344	Sequence 344, App	603	65.5	14.8	109	14	US-10-188-773-344	Sequence 344, App
531	65.5	14.8	109	14	US-10-176-756-344	Sequence 344, App	604	65.5	14.8	109	14	US-10-188-781-344	Sequence 344, App
532	65.5	14.8	109	14	US-10-176-911-344	Sequence 344, App	605	65.5	14.8	109	14	US-10-194-361-344	Sequence 344, App
533	65.5	14.8	109	14	US-10-176-919-344	Sequence 344, App	606	65.5	14.8	109	14	US-10-194-423-344	Sequence 344, App
534	65.5	14.8	109	14	US-10-176-925-344	Sequence 344, App	607	65.5	14.8	109	14	US-10-195-897-344	Sequence 344, App
535	65.5	14.8	109	14	US-10-176-978-344	Sequence 344, App	608	65.5	14.8	109	14	US-10-195-901-344	Sequence 344, App
536	65.5	14.8	109	14	US-10-179-510-344	Sequence 344, App	609	65.5	14.8	109	14	US-10-195-902-344	Sequence 344, App
537	65.5	14.8	109	14	US-10-180-543-344	Sequence 344, App	610	65.5	14.8	109	14	US-10-196-743-344	Sequence 344, App
538	65.5	14.8	109	14	US-10-180-544-344	Sequence 344, App	611	65.5	14.8	109	14	US-10-196-760-344	Sequence 344, App
539	65.5	14.8	109	14	US-10-180-546-344	Sequence 344, App	612	65.5	14.8	109	14	US-10-196-554-114	Sequence 114, App
540	65.5	14.8	109	14	US-10-180-547-344	Sequence 344, App	613	65.5	14.8	109	14	US-10-173-708-344	Sequence 344, App
541	65.5	14.8	109	14	US-10-180-549-344	Sequence 344, App	614	65.5	14.8	109	14	US-10-176-479-344	Sequence 344, App
542	65.5	14.8	109	14	US-10-180-555-344	Sequence 344, App	615	65.5	14.8	109	14	US-10-176-748-344	Sequence 344, App
543	65.5	14.8	109	14	US-10-180-559-344	Sequence 344, App	616	65.5	14.8	109	14	US-10-176-916-344	Sequence 344, App
544	65.5	14.8	109	14	US-10-181-000-344	Sequence 344, App	617	65.5	14.8	109	14	US-10-179-507-344	Sequence 344, App
545	65.5	14.8	109	14	US-10-183-010-344	Sequence 344, App	618	65.5	14.8	109	14	US-10-179-516-344	Sequence 344, App
546	65.5	14.8	109	14	US-10-183-012-344	Sequence 344, App	619	65.5	14.8	109	14	US-10-179-519-344	Sequence 344, App
547	65.5	14.8	109	14	US-10-184-614-344	Sequence 344, App	620	65.5	14.8	109	14	US-10-179-525-344	Sequence 344, App
548	65.5	14.8	109	14	US-10-184-623-344	Sequence 344, App	621	65.5	14.8	109	14	US-10-180-540-344	Sequence 344, App
549	65.5	14.8	109	14	US-10-184-635-344	Sequence 344, App	622	65.5	14.8	109	14	US-10-180-545-344	Sequence 344, App
550	65.5	14.8	109	14	US-10-184-637-344	Sequence 344, App	623	65.5	14.8	109	14	US-10-183-006-344	Sequence 344, App
551	65.5	14.8	109	14	US-10-184-646-344	Sequence 344, App	624	65.5	14.8	109	14	US-10-183-008-344	Sequence

671	65.5	14.8	109	US-10-136-748-344	Sequence 344, App	744	65.5	14.8	109	US-10-138-770-344	Sequence 344, App
672	65.5	14.8	109	US-10-136-750-344	Sequence 344, App	745	65.5	14.8	109	US-10-139-308-344	Sequence 344, App
673	65.5	14.8	109	US-10-137-699-344	Sequence 344, App	746	65.5	14.8	109	US-10-200-617-344	Sequence 344, App
674	65.5	14.8	109	US-10-137-700-344	Sequence 344, App	747	65.5	14.8	109	US-10-205-893-344	Sequence 344, App
675	65.5	14.8	109	US-10-137-705-344	Sequence 344, App	748	65.5	14.8	109	US-10-205-897-344	Sequence 344, App
676	65.5	14.8	109	US-10-137-708-344	Sequence 344, App	749	65.5	14.8	109	US-10-063-553-344	Sequence 114, App
677	65.5	14.8	109	US-10-138-764-344	Sequence 344, App	750	65.5	14.8	109	US-10-135-896-344	Sequence 344, App
678	65.5	14.8	109	US-10-138-765-344	Sequence 344, App	751	65.5	14.8	109	US-10-006-485A-304	Sequence 304, App
679	65.5	14.8	109	US-10-138-768-344	Sequence 344, App	752	65.5	14.8	109	US-10-180-550-344	Sequence 344, App
680	65.5	14.8	109	US-10-138-769-344	Sequence 344, App	753	65.5	14.8	109	US-10-163-014-344	Sequence 344, App
681	65.5	14.8	109	US-10-139-305-344	Sequence 344, App	754	65.5	14.8	109	US-10-187-738-344	Sequence 344, App
682	65.5	14.8	109	US-10-139-306-344	Sequence 344, App	755	65.5	14.8	109	US-10-187-740-344	Sequence 344, App
683	65.5	14.8	109	US-10-139-310-344	Sequence 344, App	756	65.5	14.8	109	US-10-187-883-344	Sequence 344, App
684	65.5	14.8	109	US-10-139-311-344	Sequence 344, App	757	65.5	14.8	109	US-10-194-363-344	Sequence 344, App
685	65.5	14.8	109	US-10-139-314-344	Sequence 344, App	758	65.5	14.8	109	US-10-134-460-344	Sequence 344, App
686	65.5	14.8	109	US-10-139-317-344	Sequence 344, App	759	65.5	14.8	109	US-10-134-463-344	Sequence 344, App
687	65.5	14.8	109	US-10-139-665-344	Sequence 344, App	760	65.5	14.8	109	US-10-134-484-344	Sequence 344, App
688	65.5	14.8	109	US-10-139-666-344	Sequence 344, App	761	65.5	14.8	109	US-10-135-884-344	Sequence 344, App
689	65.5	14.8	109	US-10-139-669-344	Sequence 344, App	762	65.5	14.8	109	US-10-136-744-344	Sequence 344, App
690	65.5	14.8	109	US-10-201-534-344	Sequence 344, App	763	65.5	14.8	109	US-10-136-755-344	Sequence 344, App
691	65.5	14.8	109	US-10-201-770-344	Sequence 344, App	764	65.5	14.8	109	US-10-137-704-344	Sequence 344, App
692	65.5	14.8	109	US-10-201-855-344	Sequence 344, App	765	65.5	14.8	109	US-10-137-710-344	Sequence 344, App
693	65.5	14.8	109	US-10-201-856-344	Sequence 344, App	766	65.5	14.8	109	US-10-138-758-344	Sequence 344, App
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695	65.5	14.8	109	US-10-202-470-344	Sequence 344, App	768	65.5	14.8	109	US-10-139-304-344	Sequence 344, App
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698	65.5	14.8	109	US-10-202-935-344	Sequence 344, App	771	65.5	14.8	109	US-10-139-329-344	Sequence 344, App
699	65.5	14.8	109	US-10-202-936-344	Sequence 344, App	772	65.5	14.8	109	US-10-139-456-344	Sequence 344, App
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702	65.5	14.8	109	US-10-205-509-344	Sequence 344, App	775	65.5	14.8	109	US-10-206-922-344	Sequence 344, App
703	65.5	14.8	109	US-10-205-895-344	Sequence 344, App	776	65.5	14.8	109	US-10-206-924-344	Sequence 344, App
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705	65.5	14.8	109	US-10-205-900-344	Sequence 344, App	778	65.5	14.8	109	US-10-207-921-344	Sequence 344, App
706	65.5	14.8	109	US-10-195-890-344	Sequence 344, App	779	65.5	14.8	109	US-10-207-922-344	Sequence 344, App
707	65.5	14.8	109	US-10-063-598-114	Sequence 114, App	780	65.5	14.8	109	US-10-013-907A-304	Sequence 304, App
708	65.5	14.8	109	US-10-187-752-344	Sequence 344, App	781	65.5	14.8	109	US-10-053-594-114	Sequence 114, App
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710	65.5	14.8	109	US-10-187-887-344	Sequence 344, App	783	65.5	14.8	109	US-10-174-571-344	Sequence 344, App
711	65.5	14.8	109	US-10-184-621-344	Sequence 344, App	784	65.5	14.8	109	US-10-176-746-344	Sequence 344, App
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838	65.5	14.8	109	14	US-10-199-673-344	Sequence 344, App	911	65.5	14.8	109	14	US-10-175-753-344	Sequence 344, App
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840	65.5	14.8	109	14	US-10-201-322-344	Sequence 344, App	913	65.5	14.8	109	14	US-10-201-027-344	Sequence 344, App
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845	65.5	14.8	109	14	US-10-201-769-344	Sequence 344, App	918	65.5	14.8	109	14	US-10-183-009-344	Sequence 344, App
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849	65.5	14.8	109	14	US-10-202-473-344	Sequence 344, App	922	65.5	14.8	109	14	US-10-063-595-114	Sequence 114, App
850	65.5	14.8	109	14	US-10-202-474-344	Sequence 344, App	923	65.5	14.8	109	14	US-10-125-923A-344	Sequence 344, App
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852	65.5	14.8	109	14	US-10-205-512-344	Sequence 344, App	925	65.5	14.8	109	14	US-10-176-979-344	Sequence 344, App
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856	65.5	14.8	109	14	US-10-205-898-344	Sequence 344, App	929	65.5	14.8	109	14	US-10-198-771-344	Sequence 344, App
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863	65.5	14.8	109	14	US-10-206-913-344	Sequence 344, App	936	65.5	14.8	109	14	US-10-011-671A-304	Sequence 304, App
864	65.5	14.8	109	14	US-10-206-914-344	Sequence 344, App	937	65.5	14.8	109	14	US-10-012-755A-304	Sequence 304, App
865	65.5	14.8	109	14	US-10-206-920-344	Sequence 344, App	938	65.5	14.8	109	14	US-10-015-386A-304	Sequence 304, App
866	65.5	14.8	109	14	US-10-206-921-344	Sequence 344, App	939	65.5	14.8	109	14	US-10-179-526-344	Sequence 344, App
867	65.5	14.8	109	14	US-10-206-923-344	Sequence 344, App	940	65.5	14.8	109	14	US-10-173-701-344	Sequence 344, App
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885	65.5	14.8	109	14	US-10-232-232-344	Sequence 344, App	958	65.5	14.8	109	14	US-10-063-557-114	Sequence 114, App
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985 65.5 14.8 109 14 US-10-196-747-344 Sequence 344, App
986 65.5 14.8 109 14 US-10-017-253A-304 Sequence 304, App
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ALIGNMENTS

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RESULT 1
US-09-800-729-96
; Sequence 96, Application US/09800729
; Patent No. US20020068319A1
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 96
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-96
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Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 61 KPCTLEPEPRILWVVGALPOV 81
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RESULT 2
US-09-981-353-178
; Sequence 178, Application us/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Laeek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 178
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1736965CD1
US-09-981-353-178
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Db 61 KPCTLEPEPRILWVVGALPOV 81
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RESULT 3
US-09-833-245-2160
; Sequence 2160, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PFS46PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256,931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199,384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
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; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2160
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Best Local Similarity 100.0%; Pred. No. 3.9e-41;
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Qy 61 KPCTLEPEPRILWVVGALPOV 81
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Db 61 KRCKLEPERLWTVGALPQV 81

RESULT 4
US-10-028-072-150
Sequence 150, Application US/10028072
Publication No. US20030004311A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Geo, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang
TITLE OF INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/028,072
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
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PRIOR FILING DATE: 1997-11-17
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PRIOR FILING DATE: 1997-11-21
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PRIOR FILING DATE: 1997-11-24
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PRIOR FILING DATE: 1997-12-11
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PRIOR FILING DATE: 1998-04-24
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PRIOR FILING DATE: 1998-04-28
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; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
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; PRIOR FILING DATE: 19/98-06-11
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Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 5
US-10-140-808-150
; Sequence 150; Application US/10140808
; Publication No. US20030017563A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C182
; CURRENT APPLICATION NUMBER: US/10/140,808
; CURRENT FILING DATE: 2002-05-07
; PRIOR Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-808-150
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Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      61 KPCKLEPPRLMVVPGALPOV 81
Db      61 KPCKLEPPRLMVVPGALPOV 81
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RESULT 6
US-10-121-049-150
; Sequence 150; Application US/10121049
; Publication No. US2003002239A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C182
; CURRENT APPLICATION NUMBER: US/10/121,049
; CURRENT FILING DATE: 2002-05-07
; PRIOR Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
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; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-049-150
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FILE REFERENCE: P3330R1C17
CURRENT APPLICATION NUMBER: US/10/121,049
CURRENT FILING DATE: 2002-04-12
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
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LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-049-150

Query Match 100.0%; Score 442; DB 14; Length 81;
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RESULT 7
US-10-123-904-150

Sequence 150, Application US/10123904
Publication No. US20030022328A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C54
CURRENT APPLICATION NUMBER: US/10/123,904
CURRENT FILING DATE: 2002-04-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-904-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSILLCILLCFSIFSTEGKRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSILLCILLCFSIFSTEGKRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
QY 61 KPCKLEPRLMWVPGALPOV 81
DB 61 KPCKLEPRLMWVPGALPOV 81

RESULT 8

US-10-140-470-150
Sequence 150, Application US/10140470
Publication No. US20030022331A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C160
CURRENT APPLICATION NUMBER: US/10/140,470
CURRENT FILING DATE: 2002-05-06
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-470-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSILLCILLCFSIFSTEGKRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSILLCILLCFSIFSTEGKRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
QY 61 KPCKLEPRLMWVPGALPOV 81
DB 61 KPCKLEPRLMWVPGALPOV 81

RESULT 9
US-10-175-746-150

Sequence 150, Application US/10175746
Publication No. US20030027270A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C353
CURRENT APPLICATION NUMBER: US/10/175,746

;; CURRENT FILING DATE: 2002-06-19
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-175-746-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60

Oy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 10
US-10-176-918-150
; Sequence 150, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C382
;; CURRENT APPLICATION NUMBER: US/10/176,918
;; CURRENT FILING DATE: 2002-06-20
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-176-918-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60

Oy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 11
US-10-176-921-150
; Sequence 150, Application US/10176921

;; Publication No. US20030027276A1
;; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C288
;; CURRENT APPLICATION NUMBER: US/10/176,921
;; CURRENT FILING DATE: 2002-06-20
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-176-921-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60

Oy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 12

US-10-137-865-150
; Sequence 150, Application US/10137865
; Publication No. US20030032155A1
; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C154
;; CURRENT APPLICATION NUMBER: US/10/137,865
;; CURRENT FILING DATE: 2002-05-03
;; Prior Application removed - See File Wrapper

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Fri May 6 07:58:08 2005

NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 150
 LENGTH: 81
 ORGANISM: Homo sapien
 US-10-137-865-150

Query Match 100.0%; Score 442; DB 14; Length 81;
 Best Local Similarity 100.0%; Pred. No. 3.9e-41; Indels 0; Gaps 0;
 Matches 81; Conservative 0; Mismatches 0

1 MRLVLSLCTLLCFSIFSTEGKRRPAKWSGRTRLCCHRVSPNSNTLKGHVRLC 60
 1 KCKLEPEPRMLWVPGALPOV 81
 61 KCKLEPEPRMLWVPGALPOV 81
 61 KCKLEPEPRMLWVPGALPOV 81

RESULT 13
 US-10-140-474-150 Application US/10140474
 Sequence 150, Application No. US20030032156A1

GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Geriltsen, Mary E.
 APPLICANT: Goddard, Audrey J.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C251
 CURRENT FILING DATE: 2002-05-06
 CURRENT APPLICATION NUMBER: 2002-05-06
 Prior Application removed - See Palm or File Wrapper
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 150

US-10-140-474-150
 TYPE: PRT
 ORGANISM: Homo Sapien
 LENGTH: 81

Query Match 100.0%; Score 442; DB 14; Length 81;
 Best Local Similarity 100.0%; Pred. No. 3.9e-41; Indels 0; Gaps 0;
 Matches 81; Conservative 0; Mismatches 0

1 MRLVLSLCTLLCFSIFSTEGKRRPAKWSGRTRLCCHRVSPNSNTLKGHVRLC 60
 1 KCKLEPEPRMLWVPGALPOV 81
 61 KCKLEPEPRMLWVPGALPOV 81
 61 KCKLEPEPRMLWVPGALPOV 81

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Geriltsen, Mary E.
 APPLICANT: Goddard, Audrey J.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C251
 CURRENT FILING DATE: 2002-05-10
 CURRENT APPLICATION NUMBER: 2002-05-10
 Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 150

US-10-142-431-150
 TYPE: PRT
 ORGANISM: Homo Sapien
 LENGTH: 81

Query Match 100.0%; Score 442; DB 14; Length 81;
 Best Local Similarity 100.0%; Pred. No. 3.9e-41; Indels 0; Gaps 0;
 Matches 81; Conservative 0; Mismatches 0

RESULT 15
 US-10-143-114-150 Application US/10143114
 Sequence 150, Application No. US20030036180A1

GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Geriltsen, Mary E.
 APPLICANT: Goddard, Audrey J.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C211
 CURRENT FILING DATE: 2002-05-09
 CURRENT APPLICATION NUMBER: 2002-05-09
 Prior Application removed - See Palm or File Wrapper
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 150

LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-114-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRLVLSLLCILLCFISFSTEGRRPAKWSGRRTLCCHRVSPNSTNLKGHVRLC 60
DB 1 MRLVLSLLCILLCFISFSTEGRRPAKWSGRRTLCCHRVSPNSTNLKGHVRLC 60
QY 61 KPCKLEPRLMWPVPGALPOV 81
DB 61 KPCKLEPRLMWPVPGALPOV 81

RESULT 16
US-10-142-419-150
Sequence 150, Application US/10142419
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: ACIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: P330R1C24
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-142-419-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRLVLSLLCILLCFISFSTEGRRPAKWSGRRTLCCHRVSPNSTNLKGHVRLC 60
DB 1 MRLVLSLLCILLCFISFSTEGRRPAKWSGRRTLCCHRVSPNSTNLKGHVRLC 60
QY 61 KPCKLEPRLMWPVPGALPOV 81
DB 61 KPCKLEPRLMWPVPGALPOV 81

RESULT 17
US-10-123-262-150
Sequence 150, Application US/10123262
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen

APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: ACIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: P330R1C38
CURRENT FILING DATE: 2002-04-15
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-262-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRLVLSLLCILLCFISFSTEGRRPAKWSGRRTLCCHRVSPNSTNLKGHVRLC 60
DB 1 MRLVLSLLCILLCFISFSTEGRRPAKWSGRRTLCCHRVSPNSTNLKGHVRLC 60
QY 61 KPCKLEPRLMWPVPGALPOV 81
DB 61 KPCKLEPRLMWPVPGALPOV 81

RESULT 18
US-10-142-423-150
Sequence 150, Application US/10142423
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: ACIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: P330R1C249
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 150
LENGTH: 81
TYPE: PRT

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; ORGANISM: Homo Sapien
US-10-142-423-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLCTLLCFCISFSTEGKRRPAKMSGRTRLCCHRVSPNSTNKGHHVRLC 60
    |||||
DB 1 MRLVLSLCTLLCFCISFSTEGKRRPAKMSGRTRLCCHRVSPNSTNKGHHVRLC 60

OY 61 KPCKLEPPRLMVVPGALPOV 81
    |||||
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 19
US-10-121-050-150
; Sequence 150, Application US/10121050
; Publication No. US20030054516A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C20
; CURRENT APPLICATION NUMBER: US/10/121,050
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-050-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLCTLLCFCISFSTEGKRRPAKMSGRTRLCCHRVSPNSTNKGHHVRLC 60
    |||||
DB 1 MRLVLSLCTLLCFCISFSTEGKRRPAKMSGRTRLCCHRVSPNSTNKGHHVRLC 60

OY 61 KPCKLEPPRLMVVPGALPOV 81
    |||||
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 20
US-10-141-755-150
; Sequence 150, Application US/10141755
; Publication No. US20030054517A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
```

```
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C192
; CURRENT APPLICATION NUMBER: US/10/141,755
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-755-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLCTLLCFCISFSTEGKRRPAKMSGRTRLCCHRVSPNSTNKGHHVRLC 60
    |||||
DB 1 MRLVLSLCTLLCFCISFSTEGKRRPAKMSGRTRLCCHRVSPNSTNKGHHVRLC 60

OY 61 KPCKLEPPRLMVVPGALPOV 81
    |||||
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 21
US-10-143-032-150
; Sequence 150, Application US/10143032
; Publication No. US20030059909A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C245
; CURRENT APPLICATION NUMBER: US/10/143,032
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-143-032-150
```

Query March 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCLLCLFSPFTEGRRPAKWSGRRTRLCCHRVSPNSTNLKHHVLC 60
1 MRLVLSLLCLLCLFSPFTEGRRPAKWSGRRTRLCCHRVSPNSTNLKHHVLC 60
Db 1 MRLVLSLLCLLCLFSPFTEGRRPAKWSGRRTRLCCHRVSPNSTNLKHHVLC 60

QY 61 KPCKLEPPRLMVVPGALPOV 81
61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 22
US-10-123-108-150
; Sequence 150, Application US/10123108
; Publication No. US20030068793A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tunes, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C16
; CURRENT APPLICATION NUMBER: US/10/123,108
; CURRENT FILING DATE: 2002-04-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059836
; PRIOR FILING DATE: 1997-09-24
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062285
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062814
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/062816
; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063045
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063082
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/063127
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063327
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: 60/063329
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: 60/063550
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063561
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063704
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063733
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063735
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063738
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063755
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064248
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/064809
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065846
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066453
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066511
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069212
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069278
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069334
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069694
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 60/072320
; PRIOR FILING DATE: 1998-01-23
; PRIOR APPLICATION NUMBER: 60/073612
; PRIOR FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: 60/074086
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074092
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079663
; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081695

PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086414
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/086430
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088730
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088741
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090538
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;

Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRLIVSSLLCTILLCSIFSTEGRRPAPKAWSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLIVSSLLCTILLCSIFSTEGRRPAPKAWSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 23
US-10-123-236-150
; Sequence 150, Application US/10123236
; Publication No. US20030068795A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C33
; CURRENT APPLICATION NUMBER: US/10/123.236
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-123-236-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRLIVSSLLCTILLCSIFSTEGRRPAPKAWSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLIVSSLLCTILLCSIFSTEGRRPAPKAWSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 24
US-10-123-261-150
; Sequence 150, Application US/10123261
; Publication No. US20030068796A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```

; APPLICANT: Gurney,Austin L.
; APPLICANT: Sherwood,Steven
; APPLICANT: Smith,Victoria
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C42
; CURRENT APPLICATION NUMBER: US/10/123,261
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-261-150

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Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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Qy      1 MRLVLSLILCILLCFSTFTEGRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Db      1 MRLVLSLILCILLCFSTFTEGRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60

Qy      61 KPCKLEPEPRLMVVPGLPGV 81
Db      61 KPCKLEPEPRLMVVPGLPGV 81

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RESULT 25
US-10-140-921-150
; Sequence 150, Application US/10140921
; Publication No. US20030068797A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C175
; CURRENT APPLICATION NUMBER: US/10/140,921
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-921-150

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```

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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Qy      1 MRLVLSLILCILLCFSTFTEGRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Db      1 MRLVLSLILCILLCFSTFTEGRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60

Qy      61 KPCKLEPEPRLMVVPGLPGV 81
Db      61 KPCKLEPEPRLMVVPGLPGV 81

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RESULT 26
US-10-140-928-150

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; Sequence 150, Application US/10140928
; Publication No. US20030068798A1
; GENERAL INFORMATION:

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; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C186
; CURRENT APPLICATION NUMBER: US/10/140,928
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-928-150

```

```

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

Qy      1 MRLVLSLILCILLCFSTFTEGRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Db      1 MRLVLSLILCILLCFSTFTEGRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60

Qy      61 KPCKLEPEPRLMVVPGLPGV 81
Db      61 KPCKLEPEPRLMVVPGLPGV 81

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```

RESULT 27
US-10-121-045-150

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```

; Sequence 150, Application US/10121045
; Publication No. US20030073210A1
; GENERAL INFORMATION:

```

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; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven

```


APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C8
CURRENT APPLICATION NUMBER: US/10/121.045
CURRENT FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-045-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Qy 61 KPCKLEBPRLMVVPGALPOV 81
Db 61 KPCKLEBPRLMVVPGALPOV 81

RESULT 28
US-10-123-292-150
Sequence 150, Application US/10123292
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Mei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C32
CURRENT APPLICATION NUMBER: US/10/123.292
CURRENT FILING DATE: 2002-04-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-292-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Qy 61 KPCKLEBPRLMVVPGALPOV 81
Db 61 KPCKLEBPRLMVVPGALPOV 81

RESULT 29
US-10-123-903-150
Sequence 150, Application US/10123903
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Mei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C51
CURRENT APPLICATION NUMBER: US/10/123.903
CURRENT FILING DATE: 2002-04-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-903-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Qy 61 KPCKLEBPRLMVVPGALPOV 81
Db 61 KPCKLEBPRLMVVPGALPOV 81

RESULT 30
US-10-124-819-150
Sequence 150, Application US/10124819
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Mei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C65
CURRENT APPLICATION NUMBER: US/10/124, 819
CURRENT FILING DATE: 2002-04-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-819-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCHRVSPNSTLKGHHVRLC 60
Db 1 MRLVLSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCHRVSPNSTLKGHHVRLC 60

Qy 61 KPCKLEPEPRLMWVPGALPOV 81
Db 61 KPCKLEPEPRLMWVPGALPOV 81

RESULT 31
US-10-124-822-150
Sequence 150, Application US/10124822
Publication No. US20030073214A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C64
CURRENT APPLICATION NUMBER: US/10/124, 822
CURRENT FILING DATE: 2002-04-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-822-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCHRVSPNSTLKGHHVRLC 60
Db 1 MRLVLSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCHRVSPNSTLKGHHVRLC 60

Qy 61 KPCKLEPEPRLMWVPGALPOV 81
Db 61 KPCKLEPEPRLMWVPGALPOV 81

RESULT 32
US-10-140-925-150
Sequence 150, Application US/10140925
Publication No. US20030073215A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C187
CURRENT APPLICATION NUMBER: US/10/140, 925
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-925-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCHRVSPNSTLKGHHVRLC 60
Db 1 MRLVLSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCHRVSPNSTLKGHHVRLC 60

Qy 61 KPCKLEPEPRLMWVPGALPOV 81
Db 61 KPCKLEPEPRLMWVPGALPOV 81

RESULT 33
US-10-160-498-150
Sequence 150, Application US/10160498
Publication No. US20030073216A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K

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; APPLICANT: Wood,William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P33081C451
; CURRENT FILING DATE: 2002-05-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-160-498-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTLTKGHHVRLC 60
DB 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTLTKGHHVRLC 60
QY 61 KPCKLPEPRRLMVVPGALPOV 81
DB 61 KPCKLPEPRRLMVVPGALPOV 81

RESULT 34
US-10-124-824-150
; Sequence 150, Application US/10124824
; Publication No. US20030077659A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P33081C68
; CURRENT FILING DATE: 2002-04-17
; Prior Application removed - See File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-124-824-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTLTKGHHVRLC 60
DB 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTLTKGHHVRLC 60
QY 61 KPCKLPEPRRLMVVPGALPOV 81
DB 61 KPCKLPEPRRLMVVPGALPOV 81
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DB 61 KPCKLPEPRRLMVVPGALPOV 81

RESULT 35
US-10-127-825A-150
; Sequence 150, Application US/10127825A
; Publication No. US20030077710A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P33081C84
; CURRENT FILING DATE: 2002-04-22
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-825A-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTLTKGHHVRLC 60
DB 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTLTKGHHVRLC 60
QY 61 KPCKLPEPRRLMVVPGALPOV 81
DB 61 KPCKLPEPRRLMVVPGALPOV 81

RESULT 36
US-10-127-829A-150
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; Sequence 150, Application US/10127829A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C85
; CURRENT APPLICATION NUMBER: US/10/127, 829A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-829A-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conserva 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLCITLLCSIFSTEGKRRPAKAWGGRTRLCCHRVSPNSNTLKGHHVRLC 60
DB 1 MRLIVSSLCITLLCSIFSTEGKRRPAKAWGGRTRLCCHRVSPNSNTLKGHHVRLC 60

QY 61 KPCKLEPEPRMLWVPGALPOV 81
DB 61 KPCKLEPEPRMLWVPGALPOV 81

RESULT 37
US-10-127-835A-150
; Sequence 150, Application US/10127835A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
```

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; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C102
; CURRENT APPLICATION NUMBER: US/10/127, 835A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-835A-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conserva 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLCITLLCSIFSTEGKRRPAKAWGGRTRLCCHRVSPNSNTLKGHHVRLC 60
DB 1 MRLIVSSLCITLLCSIFSTEGKRRPAKAWGGRTRLCCHRVSPNSNTLKGHHVRLC 60

QY 61 KPCKLEPEPRMLWVPGALPOV 81
DB 61 KPCKLEPEPRMLWVPGALPOV 81

RESULT 38
US-10-127-839A-150
; Sequence 150, Application US/10127839A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
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; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C105
; CURRENT APPLICATION NUMBER: US/10/127,839A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-127-839A-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLVLSLCLILLCSIFSTEGKRBPAAKWSGRRTRLCCHRVSPNSTLKGHWRLC 60
Db 1 MRLVLSLCLILLCSIFSTEGKRBPAAKWSGRRTRLCCHRVSPNSTLKGHWRLC 60

Oy 61 KPCKLEPEPRRLMVVPGALPOV 81
Db 61 KPCKLEPEPRRLMVVPGALPOV 81

RESULT 39
US-10-127-901A-150
; Sequence 150, Application US/10127901A
; Publication No. US2003007714N1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
```

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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C86
; CURRENT APPLICATION NUMBER: US/10/127,901A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-127-901A-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLVLSLCLILLCSIFSTEGKRBPAAKWSGRRTRLCCHRVSPNSTLKGHWRLC 60
Db 1 MRLVLSLCLILLCSIFSTEGKRBPAAKWSGRRTRLCCHRVSPNSTLKGHWRLC 60

Oy 61 KPCKLEPEPRRLMVVPGALPOV 81
Db 61 KPCKLEPEPRRLMVVPGALPOV 81

RESULT 40
US-10-128-693A-150
; Sequence 150, Application US/10128693A
; Publication No. US2003007715A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
```

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P330R1C120
;; CURRENT APPLICATION NUMBER: US/10/128,693A
;; PRIOR FILING DATE: 2002-04-23
;; PRIOR APPLICATION NUMBER: 60/049911
;; PRIOR FILING DATE: 1997-06-18
;; PRIOR APPLICATION NUMBER: 60/056974
;; PRIOR FILING DATE: 1997-08-26
;; PRIOR APPLICATION NUMBER: 60/059113
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059115
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059117
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059122
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059184
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059263
;; PRIOR FILING DATE: 1997-09-18
;; PRIOR APPLICATION NUMBER: 60/059352
;; PRIOR FILING DATE: 1997-09-19
;; PRIOR APPLICATION NUMBER: 60/059588
;; PRIOR FILING DATE: 1997-09-19
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-128-693A-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLILCLLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLILCLLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPPRLWVPGALPQV 81
Db 61 KPCKLEPPRLWVPGALPQV 81

RESULT 41
US-10-131-813A-150

;; Sequence 150, Application US/10131813A
;; Publication No. US2003007716A1
;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P330R1C139
;; CURRENT APPLICATION NUMBER: US/10/131,813A
;; PRIOR FILING DATE: 2002-04-24

;; PRIOR APPLICATION NUMBER: 60/049911
;; PRIOR FILING DATE: 1997-06-18
;; PRIOR APPLICATION NUMBER: 60/056974
;; PRIOR FILING DATE: 1997-08-26
;; PRIOR APPLICATION NUMBER: 60/059113
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059115
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059117
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059122
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059184
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059263
;; PRIOR FILING DATE: 1997-09-18
;; PRIOR APPLICATION NUMBER: 60/059352
;; PRIOR FILING DATE: 1997-09-19
;; PRIOR APPLICATION NUMBER: 60/059588
;; PRIOR FILING DATE: 1997-09-19
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-131-813A-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLILCLLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLILCLLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPPRLWVPGALPQV 81
Db 61 KPCKLEPPRLWVPGALPQV 81

RESULT 42
US-10-131-818A-150
;; Sequence 150, Application US/10131818A
;; Publication No. US2003007717A1
;; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P330R1C141
;; CURRENT APPLICATION NUMBER: US/10/131,818A
;; PRIOR FILING DATE: 2002-10-17
;; PRIOR APPLICATION NUMBER: 60/049911
;; PRIOR FILING DATE: 1997-06-18
;; PRIOR APPLICATION NUMBER: 60/056974
;; PRIOR FILING DATE: 1997-08-26
;; PRIOR APPLICATION NUMBER: 60/059113

PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-818A-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRRLCCHRVSPNSTNLKGHVRLC 60

Qy 61 KPCKLEPEPRRLMVVPGALPOV 81
Db 61 KPCKLEPEPRRLMVVPGALPOV 81

RESULT 43

US-10-131-823A-150
Sequence 150, Application US/10131823A
Publication No. US2003007718A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C143
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-823A-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRRLCCHRVSPNSTNLKGHVRLC 60

Qy 61 KPCKLEPEPRRLMVVPGALPOV 81
Db 61 KPCKLEPEPRRLMVVPGALPOV 81

RESULT 44

US-10-131-824A-150
Sequence 150, Application US/10131824A
Publication No. US2003007719A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C126
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263


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; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-824A-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLTCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHYRLC 60
Db 1 MRLVLSLTCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHYRLC 60

Qy 61 KPCKLEPEPRMLWVPGALPGV 81
Db 61 KPCKLEPEPRMLWVPGALPGV 81

RESULT 45
US-10-131-830A-150
; Sequence 150, Application US/10131830A
; Publication No. US2003007720A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330RIC137
; CURRENT APPLICATION NUMBER: US/10/131,830A
; PRIOR FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
```

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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-830A-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLTCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHYRLC 60
Db 1 MRLVLSLTCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHYRLC 60

Qy 61 KPCKLEPEPRMLWVPGALPGV 81
Db 61 KPCKLEPEPRMLWVPGALPGV 81

RESULT 46
US-10-131-837A-150
; Sequence 150, Application US/10131837A
; Publication No. US2003007721A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330RIC131
; CURRENT APPLICATION NUMBER: US/10/131,837A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
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ORGANISM: Homo Sapien
US-10-131-837A-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCITLLCFSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLLCITLLCFSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

QY 61 KPCKLEPPRLMVVPGALPOV 81
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 47
US-10-137-872A-150

Sequence 150, Application US/10137872A
Publication No. US20030077722A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C150
CURRENT FILING DATE: 2002-05-03
CURRENT APPLICATION NUMBER: US/10/137, 872A
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/045911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-137-872A-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;

Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCITLLCFSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLLCITLLCFSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

QY 61 KPCKLEPPRLMVVPGALPOV 81
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 48
US-10-147-500-150

Sequence 150, Application US/10147500
Publication No. US20030077723A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C325
CURRENT FILING DATE: 2002-05-16
CURRENT APPLICATION NUMBER: US/10/147, 500
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/045911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-500-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCITLLCFSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLLCITLLCFSIFSTEGRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

QY 61 KPCKLEPPRLMVVPGALPOV 81
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 49
US-10-147-502-150

Sequence 150, Application US/10147502
Publication No. US20030077724A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.

APPLICANT: Gurney,Austin L.
APPLICANT: Sherwood,Steven
APPLICANT: Smith,Victoria
APPLICANT: Stewart,Timothy A.
APPLICANT: Tumas,Daniel
APPLICANT: Watanabe,Colin K
APPLICANT: Wood,William
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C326
CURRENT APPLICATION NUMBER: US/10/147,502
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-502-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
DB 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
QY 61 KPCKLEPEPRLMVVPGLPQV 81
DB 61 KPCKLEPEPRLMVVPGLPQV 81

RESULT 50
US-10-147-515-150
Sequence 150, Application US/10147515
Publication No. US2003007725A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C342
CURRENT APPLICATION NUMBER: US/10/147,515
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-515-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
DB 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
QY 61 KPCKLEPEPRLMVVPGLPQV 81
DB 61 KPCKLEPEPRLMVVPGLPQV 81

RESULT 51
US-10-147-517-150
Sequence 150, Application US/10147517
Publication No. US2003007726A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C337
CURRENT APPLICATION NUMBER: US/10/147,517
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-517-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
DB 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
QY 61 KPCKLEPEPRLMVVPGLPQV 81
DB 61 KPCKLEPEPRLMVVPGLPQV 81

RESULT 52
US-10-147-526-150
Sequence 150, Application US/10147526
Publication No. US2003007727A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven

APPLICANT: Smith,Victoria
APPLICANT: Stewart,Timothy A.
APPLICANT: Tumas,Daniel
APPLICANT: Watanabe,Colin K
APPLICANT: Wood,William
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C343
CURRENT APPLICATION NUMBER: US/10/147,526
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-526-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPEPRMLVVPALPOV 81
Db 61 KPCKLEPEPRMLVVPALPOV 81

RESULT 53
US-10-147-527-150
Sequence 150, Application US/10147527
Publication No. US2003007728A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Deenoysers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C353
CURRENT APPLICATION NUMBER: US/10/147,527
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-527-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Qy 61 KPCKLEPEPRMLVVPALPOV 81
Db 61 KPCKLEPEPRMLVVPALPOV 81

RESULT 54
US-10-121-041-150
Sequence 150, Application US/10121041
Publication No. US2003007776A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Deenoysers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C3
CURRENT APPLICATION NUMBER: US/10/121,041
CURRENT FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-041-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPEPRMLVVPALPOV 81
Db 61 KPCKLEPEPRMLVVPALPOV 81

RESULT 55
US-10-121-043-150
Sequence 150, Application US/10121043
Publication No. US2003007777A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Deenoysers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.

```

; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C15
; CURRENT APPLICATION NUMBER: US/10/121,043
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-043-150

```

```

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

```

```

Qy 61 KPCKLEPEPRLMVVPGLPOV 81
Db 61 KPCKLEPEPRLMVVPGLPOV 81

```

```

RESULT 56
US-10-121-047-150
; Sequence 150, Application US/10121047
; Publication No. US2003007778A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C14
; CURRENT APPLICATION NUMBER: US/10/121,047
; CURRENT FILING DATE: 2002-04-11
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-047-150

```

```

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

```

```

Qy 61 KPCKLEPEPRLMVVPGLPOV 81
Db 61 KPCKLEPEPRLMVVPGLPOV 81

```

```

RESULT 57
US-10-123-215-150
; Sequence 150, Application US/10123215
; Publication No. US2003007778A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C14
; CURRENT APPLICATION NUMBER: US/10/123,215
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-215-150

```

```

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

```

```

Qy 61 KPCKLEPEPRLMVVPGLPOV 81
Db 61 KPCKLEPEPRLMVVPGLPOV 81

```

```

RESULT 58
US-10-123-902-150
; Sequence 150, Application US/10123902
; Publication No. US2003007778A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C14
; CURRENT APPLICATION NUMBER: US/10/123,902
; CURRENT FILING DATE: 2002-04-11
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-902-150

```

```

; APPLICANT: Wood,William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C47
; CURRENT APPLICATION NUMBER: US/10/123,902
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-902-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVLC 60
    |||||||
Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVLC 60

Qy 61 KPCKLEPPRLMVVPGALPOV 81
    |||||||
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 59
US-10-123-908-150
; Sequence 150, Application US/10123908
; Publication No. US2003007782A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C44
; CURRENT APPLICATION NUMBER: US/10/123,908
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-908-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVLC 60
    |||||||
Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVLC 60

Qy 61 KPCKLEPPRLMVVPGALPOV 81
    |||||||
Db 61 KPCKLEPPRLMVVPGALPOV 81
```

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Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 60
US-10-123-909-150
; Sequence 150, Application US/10123909
; Publication No. US2003007783A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C49
; CURRENT APPLICATION NUMBER: US/10/123,909
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-909-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVLC 60
    |||||||
Db 1 MRLVLSLCTLLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVLC 60

Qy 61 KPCKLEPPRLMVVPGALPOV 81
    |||||||
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 61
US-10-123-910-150
; Sequence 150, Application US/10123910
; Publication No. US2003007784A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
```

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C45
; CURRENT APPLICATION NUMBER: US/10/123,910
; PRIOR APPLICATION: 2002-04-16
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-910-150
```

```

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 1 MRLIVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLIVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81
```

RESULT 62

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US-10-124-813-150
; Sequence 150, Application US/10124813
; Publication No. US2003007785A1
; GENERAL INFORMATION:
```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
```

```

; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C67
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; CURRENT APPLICATION NUMBER: US/10/124,813
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; PRIOR APPLICATION: 2002-04-17
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; PRIOR APPLICATION removed - See File Wrapper or Palm
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; NUMBER OF SEQ ID NOS: 550
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; SEQ ID NO 150
```

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; LENGTH: 81
```

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; TYPE: PRT
```

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; ORGANISM: Homo Sapien
US-10-124-813-150
```

```

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 1 MRLIVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLIVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81
```

RESULT 63

```

US-10-124-817-150
; Sequence 150, Application US/10124817
; Publication No. US2003007786A1
; GENERAL INFORMATION:
```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
```

```

; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C56
```

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; CURRENT APPLICATION NUMBER: US/10/124,817
```

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; PRIOR APPLICATION: 2002-04-17
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; PRIOR APPLICATION removed - See File Wrapper or Palm
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; NUMBER OF SEQ ID NOS: 550
```

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; SEQ ID NO 150
```

```

; LENGTH: 81
```

```

; TYPE: PRT
```

```

; ORGANISM: Homo Sapien
US-10-124-817-150
```

```

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 1 MRLIVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLIVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81
```

RESULT 64

```

US-10-125-922-150
; Sequence 150, Application US/10125922
; Publication No. US2003007787A1
; GENERAL INFORMATION:
```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
```

```

; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C56
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FILE REFERENCE: P3330R1C73
CURRENT APPLICATION NUMBER: US/10/125,922
CURRENT FILING DATE: 2002-04-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-922-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLCLLCLCFISFTEGRRPAKWSGRTLCCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLCLLCLCFISFTEGRRPAKWSGRTLCCHRVSPNSTNLKGHHVRLC 60
61 KPCKLEPEPRLMVVPALPOV 81
61 KPCKLEPEPRLMVVPALPOV 81

RESULT 65

US-10-125-924-150
Sequence 150, Application US/10125924
Publication No. US20030077789A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C75
CURRENT APPLICATION NUMBER: US/10/125,924
CURRENT FILING DATE: 2002-04-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-924-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLCLLCLCFISFTEGRRPAKWSGRTLCCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLCLLCLCFISFTEGRRPAKWSGRTLCCHRVSPNSTNLKGHHVRLC 60
QY 61 KPCKLEPEPRLMVVPALPOV 81
DB 61 KPCKLEPEPRLMVVPALPOV 81

RESULT 66

US-10-140-860-150
Sequence 150, Application US/10140860
Publication No. US20030077789A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C189
CURRENT APPLICATION NUMBER: US/10/140,860
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-860-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLCLLCLCFISFTEGRRPAKWSGRTLCCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLCLLCLCFISFTEGRRPAKWSGRTLCCHRVSPNSTNLKGHHVRLC 60
QY 61 KPCKLEPEPRLMVVPALPOV 81
DB 61 KPCKLEPEPRLMVVPALPOV 81

RESULT 67

US-10-142-417-150
Sequence 150, Application US/10142417
Publication No. US20030077790A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C232
CURRENT APPLICATION NUMBER: US/10/142,417

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;; CURRENT FILING DATE: 2002-05-09
;; Prior application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-142-417-150
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Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 MRLVLSLCTLLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLCTLLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPEPRMLVVPGLPQV 81
Db 61 KPCKLEPEPRMLVVPGLPQV 81
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```
RESULT 68
US-10-147-519-150
; Sequence 150, Application US/10147519
; Publication No. US2003007791A1
; GENERAL INFORMATION:
```

```
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C346
;; CURRENT APPLICATION NUMBER: US/10/147, 519
;; CURRENT FILING DATE: 2002-05-17
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-147-519-150
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```
Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 MRLVLSLCTLLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLCTLLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPEPRMLVVPGLPQV 81
Db 61 KPCKLEPEPRMLVVPGLPQV 81
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```
RESULT 69
US-10-157-782-150
; Sequence 150, Application US/10157782
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```
;; Publication No. US2003007792A1
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```
;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C431
;; CURRENT APPLICATION NUMBER: US/10/157, 782
;; CURRENT FILING DATE: 2002-05-29
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-157-782-150
```

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Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 MRLVLSLCTLLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLCTLLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPEPRMLVVPGLPQV 81
Db 61 KPCKLEPEPRMLVVPGLPQV 81
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RESULT 70
US-10-152-395-150
; Sequence 150, Application US/10152395
; Publication No. US20030078377A1
; GENERAL INFORMATION:
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;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C405
;; CURRENT APPLICATION NUMBER: US/10/152, 395
;; CURRENT FILING DATE: 2002-05-21
;; Prior Application removed - See File Wrapper or Palm
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; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-152-395-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGKRRPAKAWSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKAWSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Qy 61 KPCKLEPEPRLMVYPGALPOV 81
Db 61 KPCKLEPEPRLMVYPGALPOV 81

RESULT 71
US-10-125-926A-150
; Sequence 150, Application US/10125926A
; Publication No. US20030082686A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Matanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C80
; CURRENT APPLICATION NUMBER: US/10/125,926A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
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US-10-125-926A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGKRRPAKAWSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKAWSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Qy 61 KPCKLEPEPRLMVYPGALPOV 81
Db 61 KPCKLEPEPRLMVYPGALPOV 81

RESULT 72
US-10-125-930A-150
; Sequence 150, Application US/10125930A
; Publication No. US20030082687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Matanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C78
; CURRENT APPLICATION NUMBER: US/10/125,930A
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-125-930A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 75
US-10-127-838B-150
; Sequence 150, Application US/10127838B
; Publication No. US20030082691A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyer, Luc
; APPLICANT: Filvaroli, Ellen
; APPLICANT: Geo, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Aubelin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C98
; CURRENT APPLICATION NUMBER: US/10/127,838B
; CURRENT FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-838B-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 MRLVLSLLCTLLCFSIFSTEGRRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db      1 MRLVLSLLCTLLCFSIFSTEGRRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Oy      61 KPCKLEPPRLMVPALPOV 81
Db      61 KPCKLEPPRLMVPALPOV 81

Search completed: May 4, 2005, 22:52:50
Job time : 125.326 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 4, 2005, 22:34:01 ; Search time 75.1739 Seconds

(without alignments)
252.575 Million cell updates/sec

Title: US-09-724-000a-6

Perfect score: 326
Sequence: 1 KRPAKAWSGRRTRLCGRV.....PCKLEPERPLWVPGALPGV 57

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1426032 seqs, 333106140 residues

Total number of hits satisfying chosen parameters: 1426032

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 1000 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/1/pubppaa/US07_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubppaa/US06_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	326	100.0	81	9	US-09-800-729-96
2	326	100.0	81	9	US-09-981-353-178
3	326	100.0	81	11	US-09-833-245-2160
4	326	100.0	81	14	US-10-028-072-150
5	326	100.0	81	14	US-10-140-808-150
6	326	100.0	81	14	US-10-121-049-150
7	326	100.0	81	14	US-10-123-904-150
8	326	100.0	81	14	US-10-140-470-150
9	326	100.0	81	14	US-10-173-746-150
10	326	100.0	81	14	US-10-176-918-150
11	326	100.0	81	14	US-10-176-921-150
12	326	100.0	81	14	US-10-137-865-150
13	326	100.0	81	14	US-10-140-474-150

14	326	100.0	81	14	US-10-142-431-150	Sequence 150, App
15	326	100.0	81	14	US-10-143-114-150	Sequence 150, App
16	326	100.0	81	14	US-10-142-419-150	Sequence 150, App
17	326	100.0	81	14	US-10-123-262-150	Sequence 150, App
18	326	100.0	81	14	US-10-142-423-150	Sequence 150, App
19	326	100.0	81	14	US-10-121-050-150	Sequence 150, App
20	326	100.0	81	14	US-10-141-755-150	Sequence 150, App
21	326	100.0	81	14	US-10-143-032-150	Sequence 150, App
22	326	100.0	81	14	US-10-123-108-150	Sequence 150, App
23	326	100.0	81	14	US-10-123-226-150	Sequence 150, App
24	326	100.0	81	14	US-10-123-261-150	Sequence 150, App
25	326	100.0	81	14	US-10-140-921-150	Sequence 150, App
26	326	100.0	81	14	US-10-140-928-150	Sequence 150, App
27	326	100.0	81	14	US-10-121-045-150	Sequence 150, App
28	326	100.0	81	14	US-10-123-292-150	Sequence 150, App
29	326	100.0	81	14	US-10-123-903-150	Sequence 150, App
30	326	100.0	81	14	US-10-124-819-150	Sequence 150, App
31	326	100.0	81	14	US-10-124-822-150	Sequence 150, App
32	326	100.0	81	14	US-10-140-925-150	Sequence 150, App
33	326	100.0	81	14	US-10-160-498-150	Sequence 150, App
34	326	100.0	81	14	US-10-124-824-150	Sequence 150, App
35	326	100.0	81	14	US-10-127-825A-150	Sequence 150, App
36	326	100.0	81	14	US-10-127-829A-150	Sequence 150, App
37	326	100.0	81	14	US-10-127-835A-150	Sequence 150, App
38	326	100.0	81	14	US-10-127-839A-150	Sequence 150, App
39	326	100.0	81	14	US-10-127-901A-150	Sequence 150, App
40	326	100.0	81	14	US-10-128-693A-150	Sequence 150, App
41	326	100.0	81	14	US-10-131-813A-150	Sequence 150, App
42	326	100.0	81	14	US-10-131-818A-150	Sequence 150, App
43	326	100.0	81	14	US-10-131-823A-150	Sequence 150, App
44	326	100.0	81	14	US-10-131-824A-150	Sequence 150, App
45	326	100.0	81	14	US-10-131-830A-150	Sequence 150, App
46	326	100.0	81	14	US-10-131-837A-150	Sequence 150, App
47	326	100.0	81	14	US-10-137-872A-150	Sequence 150, App
48	326	100.0	81	14	US-10-147-500-150	Sequence 150, App
49	326	100.0	81	14	US-10-147-502-150	Sequence 150, App
50	326	100.0	81	14	US-10-147-515-150	Sequence 150, App
51	326	100.0	81	14	US-10-147-517-150	Sequence 150, App
52	326	100.0	81	14	US-10-147-526-150	Sequence 150, App
53	326	100.0	81	14	US-10-147-527-150	Sequence 150, App
54	326	100.0	81	14	US-10-121-041-150	Sequence 150, App
55	326	100.0	81	14	US-10-121-043-150	Sequence 150, App
56	326	100.0	81	14	US-10-121-047-150	Sequence 150, App
57	326	100.0	81	14	US-10-123-215-150	Sequence 150, App
58	326	100.0	81	14	US-10-123-922-150	Sequence 150, App
59	326	100.0	81	14	US-10-123-908-150	Sequence 150, App
60	326	100.0	81	14	US-10-123-909-150	Sequence 150, App
61	326	100.0	81	14	US-10-123-910-150	Sequence 150, App
62	326	100.0	81	14	US-10-124-813-150	Sequence 150, App
63	326	100.0	81	14	US-10-124-817-150	Sequence 150, App
64	326	100.0	81	14	US-10-125-922-150	Sequence 150, App
65	326	100.0	81	14	US-10-125-924-150	Sequence 150, App
66	326	100.0	81	14	US-10-140-860-150	Sequence 150, App
67	326	100.0	81	14	US-10-142-417-150	Sequence 150, App
68	326	100.0	81	14	US-10-147-519-150	Sequence 150, App
69	326	100.0	81	14	US-10-157-782-150	Sequence 150, App
70	326	100.0	81	14	US-10-152-395-150	Sequence 150, App
71	326	100.0	81	14	US-10-125-926A-150	Sequence 150, App
72	326	100.0	81	14	US-10-125-930A-150	Sequence 150, App
73	326	100.0	81	14	US-10-127-831A-150	Sequence 150, App
74	326	100.0	81	14	US-10-127-837A-150	Sequence 150, App
75	326	100.0	81	14	US-10-127-838B-150	Sequence 150, App
76	326	100.0	81	14	US-10-127-842A-150	Sequence 150, App
77	326	100.0	81	14	US-10-127-843A-150	Sequence 150, App
78	326	100.0	81	14	US-10-127-845A-150	Sequence 150, App
79	326	100.0	81	14	US-10-127-846A-150	Sequence 150, App
80	326	100.0	81	14	US-10-127-848A-150	Sequence 150, App
81	326	100.0	81	14	US-10-127-849A-150	Sequence 150, App
82	326	100.0	81	14	US-10-127-850A-150	Sequence 150, App
83	326	100.0	81	14	US-10-127-851A-150	Sequence 150, App
84	326	100.0	81	14	US-10-128-664A-150	Sequence 150, App
85	326	100.0	81	14	US-10-128-666A-150	Sequence 150, App
86	326	100.0	81	14	US-10-128-690A-150	Sequence 150, App

87	326	100.0	81	14	US-10-128-691A-150	Sequence 150, App	160	326	100.0	81	14	US-10-142-767-150	Sequence 150, App
88	326	100.0	81	14	US-10-131-819A-150	Sequence 150, App	161	326	100.0	81	14	US-10-143-033-150	Sequence 150, App
89	326	100.0	81	14	US-10-131-829A-150	Sequence 150, App	162	326	100.0	81	14	US-10-144-994-150	Sequence 150, App
90	326	100.0	81	14	US-10-131-836A-150	Sequence 150, App	163	326	100.0	81	14	US-10-145-628-150	Sequence 150, App
91	326	100.0	81	14	US-10-146-729-150	Sequence 150, App	164	326	100.0	81	14	US-10-145-746-150	Sequence 150, App
92	326	100.0	81	14	US-10-146-791-150	Sequence 150, App	165	326	100.0	81	14	US-10-145-748-150	Sequence 150, App
93	326	100.0	81	14	US-10-147-484-150	Sequence 150, App	166	326	100.0	81	14	US-10-145-823-150	Sequence 150, App
94	326	100.0	81	14	US-10-147-508-150	Sequence 150, App	167	326	100.0	81	14	US-10-145-826-150	Sequence 150, App
95	326	100.0	81	14	US-10-147-512-150	Sequence 150, App	168	326	100.0	81	14	US-10-145-870-150	Sequence 150, App
96	326	100.0	81	14	US-10-175-735-150	Sequence 150, App	169	326	100.0	81	14	US-10-145-876-150	Sequence 150, App
97	326	100.0	81	14	US-10-121-040-150	Sequence 150, App	170	326	100.0	81	14	US-10-145-959-150	Sequence 150, App
98	326	100.0	81	14	US-10-121-056-150	Sequence 150, App	171	326	100.0	81	14	US-10-146-672-150	Sequence 150, App
99	326	100.0	81	14	US-10-121-061-150	Sequence 150, App	172	326	100.0	81	14	US-10-146-725-150	Sequence 150, App
100	326	100.0	81	14	US-10-123-235-150	Sequence 150, App	173	326	100.0	81	14	US-10-146-795-150	Sequence 150, App
101	326	100.0	81	14	US-10-124-818-150	Sequence 150, App	174	326	100.0	81	14	US-10-147-495-150	Sequence 150, App
102	326	100.0	81	14	US-10-137-868-150	Sequence 150, App	175	326	100.0	81	14	US-10-147-501-150	Sequence 150, App
103	326	100.0	81	14	US-10-147-492-150	Sequence 150, App	176	326	100.0	81	14	US-10-147-504-150	Sequence 150, App
104	326	100.0	81	14	US-10-158-782-150	Sequence 150, App	177	326	100.0	81	14	US-10-147-506-150	Sequence 150, App
105	326	100.0	81	14	US-10-123-905-150	Sequence 150, App	178	326	100.0	81	14	US-10-147-509-150	Sequence 150, App
106	326	100.0	81	14	US-10-123-907-150	Sequence 150, App	179	326	100.0	81	14	US-10-147-510-150	Sequence 150, App
107	326	100.0	81	14	US-10-124-815-150	Sequence 150, App	180	326	100.0	81	14	US-10-147-511-150	Sequence 150, App
108	326	100.0	81	14	US-10-125-921A-150	Sequence 150, App	181	326	100.0	81	14	US-10-147-529-150	Sequence 150, App
109	326	100.0	81	14	US-10-125-928A-150	Sequence 150, App	182	326	100.0	81	14	US-10-152-397-150	Sequence 150, App
110	326	100.0	81	14	US-10-127-821A-150	Sequence 150, App	183	326	100.0	81	14	US-10-153-586-150	Sequence 150, App
111	326	100.0	81	14	US-10-127-822A-150	Sequence 150, App	184	326	100.0	81	14	US-10-158-786-150	Sequence 150, App
112	326	100.0	81	14	US-10-127-824A-150	Sequence 150, App	185	326	100.0	81	14	US-10-137-870-150	Sequence 150, App
113	326	100.0	81	14	US-10-127-826A-150	Sequence 150, App	186	326	100.0	81	14	US-10-140-018-150	Sequence 150, App
114	326	100.0	81	14	US-10-127-827A-150	Sequence 150, App	187	326	100.0	81	14	US-10-140-021-150	Sequence 150, App
115	326	100.0	81	14	US-10-127-828A-150	Sequence 150, App	188	326	100.0	81	14	US-10-140-471-150	Sequence 150, App
116	326	100.0	81	14	US-10-127-830A-150	Sequence 150, App	189	326	100.0	81	14	US-10-140-922-150	Sequence 150, App
117	326	100.0	81	14	US-10-127-832A-150	Sequence 150, App	190	326	100.0	81	14	US-10-145-631-150	Sequence 150, App
118	326	100.0	81	14	US-10-127-833A-150	Sequence 150, App	191	326	100.0	81	14	US-10-145-633-150	Sequence 150, App
119	326	100.0	81	14	US-10-127-834A-150	Sequence 150, App	192	326	100.0	81	14	US-10-158-783-150	Sequence 150, App
120	326	100.0	81	14	US-10-127-836A-150	Sequence 150, App	193	326	100.0	81	14	US-10-140-274-150	Sequence 150, App
121	326	100.0	81	14	US-10-127-841A-150	Sequence 150, App	194	326	100.0	81	14	US-10-140-019-150	Sequence 150, App
122	326	100.0	81	14	US-10-127-844A-150	Sequence 150, App	195	326	100.0	81	14	US-10-140-022-150	Sequence 150, App
123	326	100.0	81	14	US-10-128-687A-150	Sequence 150, App	196	326	100.0	81	14	US-10-140-861-150	Sequence 150, App
124	326	100.0	81	14	US-10-128-688A-150	Sequence 150, App	197	326	100.0	81	14	US-10-140-862-150	Sequence 150, App
125	326	100.0	81	14	US-10-128-689A-150	Sequence 150, App	198	326	100.0	81	14	US-10-141-697-150	Sequence 150, App
126	326	100.0	81	14	US-10-128-694A-150	Sequence 150, App	199	326	100.0	81	14	US-10-141-700-150	Sequence 150, App
127	326	100.0	81	14	US-10-131-825A-150	Sequence 150, App	200	326	100.0	81	14	US-10-141-705-150	Sequence 150, App
128	326	100.0	81	14	US-10-230-417-150	Sequence 150, App	201	326	100.0	81	14	US-10-141-758-150	Sequence 150, App
129	326	100.0	81	14	US-10-131-815A-150	Sequence 150, App	202	326	100.0	81	14	US-10-141-758-150	Sequence 150, App
130	326	100.0	81	14	US-10-131-817A-150	Sequence 150, App	203	326	100.0	81	14	US-10-142-418-150	Sequence 150, App
131	326	100.0	81	14	US-10-131-821A-150	Sequence 150, App	204	326	100.0	81	14	US-10-142-420-150	Sequence 150, App
132	326	100.0	81	14	US-10-131-822A-150	Sequence 150, App	205	326	100.0	81	14	US-10-142-422-150	Sequence 150, App
133	326	100.0	81	14	US-10-131-828A-150	Sequence 150, App	206	326	100.0	81	14	US-10-142-427-150	Sequence 150, App
134	326	100.0	81	14	US-10-131-835A-150	Sequence 150, App	207	326	100.0	81	14	US-10-142-760-150	Sequence 150, App
135	326	100.0	81	14	US-10-137-864A-150	Sequence 150, App	208	326	100.0	81	14	US-10-145-821-150	Sequence 150, App
136	326	100.0	81	14	US-10-137-869A-150	Sequence 150, App	209	326	100.0	81	14	US-10-152-531-150	Sequence 150, App
137	326	100.0	81	14	US-10-147-523-150	Sequence 150, App	210	326	100.0	81	14	US-10-127-840A-150	Sequence 150, App
138	326	100.0	81	14	US-10-158-785-150	Sequence 150, App	211	326	100.0	81	14	US-10-142-424-150	Sequence 150, App
139	326	100.0	81	14	US-10-121-051-150	Sequence 150, App	212	326	100.0	81	14	US-10-142-761-150	Sequence 150, App
140	326	100.0	81	14	US-10-121-042-150	Sequence 150, App	213	326	100.0	81	14	US-10-142-763-150	Sequence 150, App
141	326	100.0	81	14	US-10-123-912-150	Sequence 150, App	214	326	100.0	81	14	US-10-142-765-150	Sequence 150, App
142	326	100.0	81	14	US-10-235-994-14	Sequence 14, App1	215	326	100.0	81	14	US-10-142-887-150	Sequence 150, App
143	326	100.0	81	14	US-10-192-007-150	Sequence 150, App	216	326	100.0	81	14	US-10-142-888-150	Sequence 150, App
144	326	100.0	81	14	US-10-194-359-150	Sequence 150, App	217	326	100.0	81	14	US-10-143-034-150	Sequence 150, App
145	326	100.0	81	14	US-10-127-847A-150	Sequence 150, App	218	326	100.0	81	14	US-10-143-116-150	Sequence 150, App
146	326	100.0	81	14	US-10-137-866-150	Sequence 150, App	219	326	100.0	81	14	US-10-144-957-150	Sequence 150, App
147	326	100.0	81	14	US-10-146-726-150	Sequence 150, App	220	326	100.0	81	14	US-10-144-957-150	Sequence 150, App
148	326	100.0	81	14	US-10-146-727-150	Sequence 150, App	221	326	100.0	81	14	US-10-145-747-150	Sequence 150, App
149	326	100.0	81	14	US-10-146-788-150	Sequence 150, App	222	326	100.0	81	14	US-10-145-090-150	Sequence 150, App
150	326	100.0	81	14	US-10-152-380-150	Sequence 150, App	223	326	100.0	81	14	US-10-145-091-150	Sequence 150, App
151	326	100.0	81	14	US-10-153-934-150	Sequence 150, App	224	326	100.0	81	14	US-10-145-629-150	Sequence 150, App
152	326	100.0	81	14	US-10-140-807-150	Sequence 150, App	225	326	100.0	81	14	US-10-145-630-150	Sequence 150, App
153	326	100.0	81	14	US-10-140-926-150	Sequence 150, App	226	326	100.0	81	14	US-10-145-747-150	Sequence 150, App
154	326	100.0	81	14	US-10-140-926-150	Sequence 150, App	227	326	100.0	81	14	US-10-145-754-150	Sequence 150, App
155	326	100.0	81	14	US-10-141-698-150	Sequence 150, App	228	326	100.0	81	14	US-10-145-754-150	Sequence 150, App
156	326	100.0	81	14	US-10-141-702-150	Sequence 150, App	229	326	100.0	81	14	US-10-145-755-150	Sequence 150, App
157	326	100.0	81	14	US-10-141-704-150	Sequence 150, App	230	326	100.0	81	14	US-10-145-818-150	Sequence 150, App
158	326	100.0	81	14	US-10-142-821-150	Sequence 150, App	231	326	100.0	81	14	US-10-145-820-150	Sequence 150, App
159	326	100.0	81	14	US-10-142-832-150	Sequence 150, App	232	326	100.0	81	14	US-10-145-872-150	Sequence 150, App

379	326	100.0	81	15	US-10-141-706-150	Sequence 150, App	452	65	19.9	446	15	US-10-276-774-1370	Sequence 1370, App
380	326	100.0	81	15	US-10-141-757-150	Sequence 150, App	453	65	19.9	569	16	US-10-437-963-123904	Sequence 123904, App
381	326	100.0	81	15	US-10-141-762-150	Sequence 150, App	454	63.5	19.5	153	15	US-10-425-114-49137	Sequence 49137, A
382	326	100.0	81	15	US-10-142-428-150	Sequence 150, App	455	63	19.3	606	16	US-10-437-963-117723	Sequence 117723, A
383	326	100.0	81	15	US-10-142-429-150	Sequence 150, App	456	62.5	19.2	316	15	US-10-425-114-53567	Sequence 53567, A
384	326	100.0	81	15	US-10-142-884-150	Sequence 150, App	457	62.5	19.2	342	15	US-10-424-599-178009	Sequence 178009, A
385	326	100.0	81	15	US-10-143-027-150	Sequence 150, App	458	62.5	19.2	417	15	US-10-416-090-31	Sequence 31, App1
386	326	100.0	81	15	US-10-143-115-150	Sequence 150, App	459	62.5	19.2	465	15	US-10-416-090-24	Sequence 22, App1
387	326	100.0	81	15	US-10-144-956-150	Sequence 150, App	460	62.5	19.2	792	14	US-10-059-585-22	Sequence 16, App
388	326	100.0	81	15	US-10-144-958-150	Sequence 150, App	461	62.5	19.2	934	10	US-09-796-753-156	Sequence 211, App
389	326	100.0	81	15	US-10-145-632-150	Sequence 150, App	462	62.5	19.2	985	9	US-09-978-295A-211	Sequence 211, App
390	326	100.0	81	15	US-10-145-749-150	Sequence 150, App	463	62.5	19.2	985	9	US-09-978-697-211	Sequence 211, App
391	326	100.0	81	15	US-10-145-753-150	Sequence 150, App	464	62.5	19.2	985	9	US-09-978-192A-211	Sequence 211, App
392	326	100.0	81	15	US-10-145-871-150	Sequence 150, App	465	62.5	19.2	985	10	US-09-978-189-211	Sequence 211, App
393	326	100.0	81	15	US-10-145-878-150	Sequence 150, App	466	62.5	19.2	985	10	US-09-978-608A-211	Sequence 211, App
394	326	100.0	81	15	US-10-146-794-150	Sequence 150, App	467	62.5	19.2	985	10	US-09-978-855A-211	Sequence 211, App
395	326	100.0	81	15	US-10-147-489-150	Sequence 150, App	468	62.5	19.2	985	10	US-09-978-191A-211	Sequence 211, App
396	326	100.0	81	15	US-10-147-507-150	Sequence 150, App	469	62.5	19.2	985	10	US-09-978-403A-211	Sequence 211, App
397	326	100.0	81	15	US-10-147-535-150	Sequence 150, App	470	62.5	19.2	985	10	US-09-978-564A-211	Sequence 211, App
398	326	100.0	81	15	US-10-147-537-150	Sequence 150, App	471	62.5	19.2	985	10	US-09-999-833A-211	Sequence 211, App
399	326	100.0	81	15	US-10-152-376-150	Sequence 150, App	472	62.5	19.2	985	10	US-09-999-833A-211	Sequence 211, App
400	326	100.0	81	15	US-10-152-381-150	Sequence 150, App	473	62.5	19.2	985	10	US-09-981-015A-211	Sequence 211, App
401	326	100.0	81	15	US-10-152-400-150	Sequence 150, App	474	62.5	19.2	985	10	US-09-978-824-211	Sequence 211, App
402	326	100.0	81	15	US-10-153-585-150	Sequence 150, App	475	62.5	19.2	985	10	US-09-918-885A-211	Sequence 211, App
403	326	100.0	81	15	US-10-157-780-150	Sequence 150, App	476	62.5	19.2	985	10	US-09-999-834A-211	Sequence 211, App
404	326	100.0	81	15	US-10-157-800-150	Sequence 150, App	477	62.5	19.2	985	10	US-09-978-193A-211	Sequence 211, App
405	326	100.0	81	15	US-10-157-801-150	Sequence 150, App	478	62.5	19.2	985	10	US-09-999-830A-211	Sequence 211, App
406	326	100.0	81	15	US-10-157-802-150	Sequence 150, App	479	62.5	19.2	985	10	US-09-978-187B-211	Sequence 211, App
407	326	100.0	81	15	US-10-158-784-150	Sequence 150, App	480	62.5	19.2	985	10	US-09-978-187B-211	Sequence 211, App
408	326	100.0	81	15	US-10-158-789-150	Sequence 150, App	481	62.5	19.2	985	10	US-09-978-443A-211	Sequence 211, App
409	326	100.0	81	15	US-10-159-011-150	Sequence 150, App	482	62.5	19.2	985	10	US-09-978-175A-211	Sequence 211, App
410	326	100.0	81	15	US-10-139-963-150	Sequence 150, App	483	62.5	19.2	985	10	US-09-978-198A-211	Sequence 211, App
411	326	100.0	81	15	US-10-140-020-150	Sequence 150, App	484	62.5	19.2	985	10	US-09-978-188A-211	Sequence 211, App
412	326	100.0	81	15	US-10-140-023-150	Sequence 150, App	485	62.5	19.2	985	10	US-09-978-861A-211	Sequence 211, App
413	326	100.0	81	15	US-10-140-809-150	Sequence 150, App	486	62.5	19.2	985	10	US-09-978-194A-211	Sequence 211, App
414	326	100.0	81	15	US-10-140-865-150	Sequence 150, App	487	62.5	19.2	985	10	US-09-999-829A-211	Sequence 211, App
415	326	100.0	81	15	US-10-141-701-150	Sequence 150, App	488	62.5	19.2	985	10	US-09-978-199A-211	Sequence 211, App
416	326	100.0	81	15	US-10-141-754-150	Sequence 150, App	489	62.5	19.2	985	10	US-09-978-544A-211	Sequence 211, App
417	326	100.0	81	15	US-10-141-760-150	Sequence 150, App	490	62.5	19.2	985	10	US-09-978-165A-211	Sequence 211, App
418	326	100.0	81	15	US-10-142-425-150	Sequence 150, App	491	62.5	19.2	985	10	US-09-978-802A-211	Sequence 211, App
419	326	100.0	81	15	US-10-142-430-150	Sequence 150, App	492	62.5	19.2	985	11	US-09-999-829A-211	Sequence 211, App
420	326	100.0	81	15	US-10-143-113-150	Sequence 150, App	493	62.5	19.2	985	14	US-10-017-081A-211	Sequence 211, App
421	326	100.0	81	15	US-10-146-730-150	Sequence 150, App	494	62.5	19.2	985	14	US-10-167-749-211	Sequence 211, App
422	326	100.0	81	15	US-10-146-792-150	Sequence 150, App	495	62.5	19.2	985	14	US-10-013-921A-211	Sequence 211, App
423	326	100.0	81	15	US-10-158-791-150	Sequence 150, App	496	62.5	19.2	985	14	US-10-013-929A-211	Sequence 211, App
424	326	100.0	81	15	US-10-158-843-150	Sequence 150, App	497	62.5	19.2	985	14	US-10-016-177A-211	Sequence 211, App
425	326	100.0	81	15	US-10-157-786-150	Sequence 150, App	498	62.5	19.2	985	14	US-10-166-709A-211	Sequence 211, App
426	326	100.0	81	15	US-10-152-405-150	Sequence 150, App	499	62.5	19.2	985	14	US-10-166-709A-211	Sequence 211, App
427	326	100.0	81	15	US-10-147-528-150	Sequence 150, App	500	62.5	19.2	985	14	US-10-143-030A-211	Sequence 211, App
428	326	100.0	81	15	US-10-128-692A-150	Sequence 150, App	501	62.5	19.2	985	14	US-10-002-967A-211	Sequence 211, App
429	326	100.0	81	15	US-10-140-927-150	Sequence 150, App	502	62.5	19.2	985	14	US-10-017-083A-211	Sequence 211, App
430	326	100.0	81	15	US-10-140-927-150	Sequence 150, App	503	62.5	19.2	985	14	US-10-145-128A-211	Sequence 211, App
431	326	100.0	81	15	US-10-145-127-150	Sequence 150, App	504	62.5	19.2	985	14	US-10-017-191A-211	Sequence 211, App
432	326	100.0	81	15	US-10-160-503-150	Sequence 150, App	505	62.5	19.2	985	14	US-10-143-028A-211	Sequence 211, App
433	326	100.0	81	15	US-10-143-118-150	Sequence 150, App	506	62.5	19.2	985	14	US-10-143-029A-211	Sequence 211, App
434	326	100.0	81	15	US-10-144-993-150	Sequence 150, App	507	62.5	19.2	985	14	US-10-145-124A-211	Sequence 211, App
435	326	100.0	81	15	US-10-158-787-150	Sequence 150, App	508	62.5	19.2	985	14	US-10-145-089A-211	Sequence 211, App
436	326	100.0	81	15	US-10-140-024-150	Sequence 150, App	509	62.5	19.2	985	14	US-10-145-077A-211	Sequence 211, App
437	326	100.0	81	15	US-10-147-536-150	Sequence 150, App	510	62.5	19.2	985	14	US-10-145-077A-211	Sequence 211, App
438	326	100.0	81	17	US-10-152-372-150	Sequence 150, App	511	62.5	19.2	985	14	US-10-013-928A-211	Sequence 211, App
439	326	100.0	81	17	US-10-931-886-150	Sequence 150, App	512	62.5	19.2	985	14	US-10-165-247A-211	Sequence 211, App
440	326	100.0	81	17	US-10-158-788-150	Sequence 150, App	513	62.5	19.2	985	14	US-10-145-124A-211	Sequence 211, App
441	326	100.0	109	9	US-09-800-729-184	Sequence 184, App	514	62.5	19.2	985	14	US-10-160-502A-211	Sequence 211, App
442	326	100.0	575	16	US-10-437-963-123903	Sequence 123903, App	515	62.5	19.2	985	14	US-10-145-086A-211	Sequence 211, App
443	326	100.0	664	16	US-10-437-963-123898	Sequence 123898, App	516	62.5	19.2	985	14	US-10-017-087A-211	Sequence 211, App
444	326	100.0	72	22.1	US-10-437-963-123901	Sequence 123901, App	517	62.5	19.2	985	14	US-10-164-829A-211	Sequence 211, App
445	326	100.0	893	16	US-10-437-963-123905	Sequence 123905, App	518	62.5	19.2	985	14	US-10-013-922A-211	Sequence 211, App
446	326	100.0	893	16	US-10-437-963-123905	Sequence 123905, App	519	62.5	19.2	985	14	US-10-013-922A-211	Sequence 211, App
447	326	100.0	71	21.5	US-10-437-963-123905	Sequence 123905, App	520	62.5	19.2	985	14	US-10-013-922A-211	Sequence 211, App
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449	66.5	20.4	67	15	US-10-424-599-168501	Sequence 168501, App	522	62.5	19.2	985	14	US-10-013-924A-211	Sequence 211, App
450	66.5	20.4	208	15	US-10-425-114-53966	Sequence 53966, A	523	62.5	19.2	985	15	US-10-017-084A-211	Sequence 211, App
451	66.5	20.2	211	15	US-10-425-114-68766	Sequence 68766, A	524	62.5	19.2	985	15	US-10-145-016A-211	Sequence 211, App

525	62.5	19.2	985	15	US-10-145-088A-211	Sequence 211, App	598	58.5	17.9	183	15	US-10-425-114-49344	Sequence 49344, A
526	62.5	19.2	985	15	US-10-145-092A-211	Sequence 211, App	599	58.5	17.9	344	15	US-10-424-599-217815	Sequence 217815, A
527	62.5	19.2	985	15	US-10-145-129A-211	Sequence 211, App	600	58.5	17.9	352	9	US-09-866-562-61	Sequence 61, App1
528	62.5	19.2	985	15	US-10-165-038A-211	Sequence 211, App	601	58.5	17.9	607	14	US-10-320-769-4	Sequence 4, App1
529	62.5	19.2	985	15	US-10-165-353A-211	Sequence 211, App	602	58.5	17.9	722	9	US-09-908-193-47	Sequence 47, App1
530	62.5	19.2	985	15	US-10-167-600-211	Sequence 211, App	603	58.5	17.9	782	15	US-10-190-115-39	Sequence 39, App1
531	62.5	19.2	985	15	US-10-170-481A-211	Sequence 211, App	604	58.5	17.9	782	15	US-10-369-072-39	Sequence 39, App1
532	62.5	19.2	985	15	US-10-172-039A-211	Sequence 211, App	605	58.5	17.9	19733	15	US-10-084-846A-5	Sequence 5, App1
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534	62.5	19.2	985	15	US-10-017-085A-211	Sequence 211, App	607	58.5	17.8	104	14	US-10-156-761-8500	Sequence 8500, App
535	62.5	19.2	985	15	US-10-013-916A-211	Sequence 211, App	608	58.5	17.8	380	15	US-10-424-599-189346	Sequence 189346, A
536	62.5	19.2	985	15	US-10-143-026A-211	Sequence 211, App	609	58.5	17.8	489	15	US-10-318-885-26	Sequence 26, App1
537	62.5	19.2	985	15	US-10-013-918A-211	Sequence 211, App	610	58.5	17.8	489	15	US-10-318-885-30	Sequence 30, App1
538	62.5	19.2	985	15	US-10-162-521A-211	Sequence 211, App	611	58.5	17.8	648	16	US-10-437-963-13899	Sequence 123899, A
539	62.5	19.2	985	15	US-10-013-928A-211	Sequence 211, App	612	58.5	17.8	1879	16	US-10-437-963-135004	Sequence 135004, A
540	62.5	19.2	985	15	US-10-162-522A-211	Sequence 211, App	613	57.5	17.6	1881	16	US-10-437-963-135003	Sequence 135003, A
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542	62.5	19.2	985	15	US-10-013-925A-211	Sequence 211, App	615	57.5	17.6	85	16	US-10-437-963-151072	Sequence 151072, A
543	62.5	19.2	985	15	US-10-013-927A-211	Sequence 211, App	616	57.5	17.6	122	16	US-10-437-963-167365	Sequence 167365, A
544	62.5	19.2	985	15	US-10-145-093A-211	Sequence 211, App	617	57.5	17.6	163	9	US-09-895-913A-344	Sequence 324, App
545	62.5	19.2	985	15	US-10-013-919A-211	Sequence 211, App	618	57.5	17.6	232	16	US-10-437-963-154650	Sequence 154650, A
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547	62.5	19.2	985	15	US-10-164-749A-211	Sequence 211, App	620	57.5	17.6	252	15	US-10-112-944-772	Sequence 772, App
548	62.5	19.2	985	15	US-10-013-917A-211	Sequence 211, App	621	57.5	17.6	257	16	US-10-767-701-33958	Sequence 32958, A
549	62.5	19.2	985	17	US-10-918-851-211	Sequence 211, App	622	57.5	17.6	285	15	US-10-425-114-70930	Sequence 70930, A
550	62.5	19.2	985	17	US-10-805-667-211	Sequence 211, App	623	57.5	17.6	286	15	US-10-425-114-57316	Sequence 57316, A
551	62.5	19.2	985	17	US-10-897-359-211	Sequence 211, App	624	57.5	17.6	387	15	US-10-108-260A-3993	Sequence 3993, App
552	62.5	19.2	985	17	US-10-893-802-211	Sequence 211, App	625	57.5	17.6	316	15	US-10-437-963-132378	Sequence 132378, A
553	62.5	19.2	985	17	US-10-897-360-211	Sequence 211, App	626	57.5	17.6	393	16	US-10-437-963-185895	Sequence 185895, A
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555	62.5	19.2	1104	15	US-10-416-090-37	Sequence 37, App1	628	57.5	17.6	458	15	US-10-282-122A-58695	Sequence 58695, A
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570	59.5	18.3	333	15	US-10-425-114-58423	Sequence 58423, A	643	57.5	17.5	379	15	US-10-318-885-24	Sequence 24, App1
571	59.5	18.3	386	16	US-10-437-963-194113	Sequence 194113, A	644	57.5	17.5	390	15	US-10-108-260A-4719	Sequence 4719, App
572	59.5	18.3	419	14	US-10-138-098-29	Sequence 29, App1	645	57.5	17.5	393	14	US-10-024-494-4	Sequence 4, App1
573	59.5	18.3	419	17	US-10-476-615-29	Sequence 29, App1	646	57.5	17.5	515	15	US-10-425-114-73028	Sequence 73028, A
574	59.5	18.3	534	15	US-10-425-114-58604	Sequence 58604, A	647	57.5	17.5	616	15	US-10-108-260A-5508	Sequence 2508, App
575	59.5	18.3	641	14	US-10-138-098-39	Sequence 39, App1	648	57.5	17.5	748	13	US-10-151-587-2	Sequence 2, App1
576	59.5	18.3	641	17	US-10-476-615-39	Sequence 39, App1	649	57.5	17.5	748	16	US-10-650-609-2	Sequence 2, App1
577	59.5	18.3	1006	14	US-10-138-098-47	Sequence 47, App1	650	57.5	17.5	748	17	US-10-809-144-2	Sequence 181777, A
578	59.5	18.3	1006	14	US-10-138-098-48	Sequence 48, App1	651	57.5	17.5	1024	16	US-10-437-963-181777	Sequence 181777, A
579	59.5	18.3	1006	17	US-10-476-615-47	Sequence 47, App1	652	56.5	17.3	109	10	US-09-946-374-304	Sequence 304, App
580	59.5	18.3	1006	17	US-10-476-615-48	Sequence 48, App1	653	56.5	17.3	109	10	US-09-374-066A-134	Sequence 134, App
581	59.5	18.3	1064	14	US-10-138-098-42	Sequence 42, App1	654	56.5	17.3	109	13	US-10-006-867-114	Sequence 114, App
582	59.5	18.3	1064	14	US-10-138-098-44	Sequence 44, App1	655	56.5	17.3	109	13	US-10-052-586-344	Sequence 344, App
583	59.5	18.3	1064	17	US-10-476-615-42	Sequence 42, App1	656	56.5	17.3	109	13	US-10-063-547-114	Sequence 114, App
584	59.5	18.3	1064	17	US-10-476-615-44	Sequence 44, App1	657	56.5	17.3	109	13	US-10-063-551-114	Sequence 114, App
585	59.5	18.3	1172	16	US-10-296-733-24	Sequence 24, App1	658	56.5	17.3	109	13	US-10-063-551-114	Sequence 114, App
586	59	18.1	88	15	US-10-424-599-147196	Sequence 147196, A	659	56.5	17.3	109	14	US-10-176-550-344	Sequence 344, App
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589	59	18.1	537	14	US-10-181-157-74	Sequence 74, App1	662	56.5	17.3	109	14	US-10-063-616-114	Sequence 114, App
590	59	18.1	1139	16	US-10-437-963-18436	Sequence 18436, A	663	56.5	17.3	109	14	US-10-176-581-344	Sequence 344, App
591	58.5	17.9	101	17	US-10-935-098-58	Sequence 58, App1	664	56.5	17.3	109	14	US-10-176-483-344	Sequence 344, App
592	58.5	17.9	102	9	US-09-739-907-58	Sequence 58, App1	665	56.5	17.3	109	14	US-10-176-779-344	Sequence 344, App
593	58.5	17.9	102	11	US-09-938-671-58	Sequence 58, App1	666	56.5	17.3	109	14	US-10-176-914-344	Sequence 344, App
594	58.5	17.9	114	16	US-10-437-963-140634	Sequence 140634, A	667	56.5	17.3	109	14	US-10-176-915-344	Sequence 344, App
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672	56.5	17.3	109	14	US-10-175-738-344	Sequence 344, App	745	56.5	17.3	109	14	US-10-180-548-344	Sequence 344, App
673	56.5	17.3	109	14	US-10-175-752-344	Sequence 344, App	746	56.5	17.3	109	14	US-10-180-551-344	Sequence 344, App
674	56.5	17.3	109	14	US-10-176-482-344	Sequence 344, App	747	56.5	17.3	109	14	US-10-180-998-344	Sequence 344, App
675	56.5	17.3	109	14	US-10-176-757-344	Sequence 344, App	748	56.5	17.3	109	14	US-10-180-999-344	Sequence 344, App
676	56.5	17.3	109	14	US-10-176-913-344	Sequence 344, App	749	56.5	17.3	109	14	US-10-181-013-344	Sequence 344, App
677	56.5	17.3	109	14	US-10-180-552-344	Sequence 344, App	750	56.5	17.3	109	14	US-10-181-612-344	Sequence 344, App
678	56.5	17.3	109	14	US-10-180-557-344	Sequence 344, App	751	56.5	17.3	109	14	US-10-181-616-344	Sequence 344, App
679	56.5	17.3	109	14	US-10-063-502-114	Sequence 114, App	752	56.5	17.3	109	14	US-10-181-617-344	Sequence 344, App
680	56.5	17.3	109	14	US-10-173-700-344	Sequence 344, App	753	56.5	17.3	109	14	US-10-181-622-344	Sequence 344, App
681	56.5	17.3	109	14	US-10-174-572-344	Sequence 344, App	754	56.5	17.3	109	14	US-10-181-628-344	Sequence 344, App
682	56.5	17.3	109	14	US-10-174-575-344	Sequence 344, App	755	56.5	17.3	109	14	US-10-181-629-344	Sequence 344, App
683	56.5	17.3	109	14	US-10-174-582-344	Sequence 344, App	756	56.5	17.3	109	14	US-10-181-630-344	Sequence 344, App
684	56.5	17.3	109	14	US-10-174-588-344	Sequence 344, App	757	56.5	17.3	109	14	US-10-181-631-344	Sequence 344, App
685	56.5	17.3	109	14	US-10-175-739-344	Sequence 344, App	758	56.5	17.3	109	14	US-10-181-632-344	Sequence 344, App
686	56.5	17.3	109	14	US-10-175-740-344	Sequence 344, App	759	56.5	17.3	109	14	US-10-181-636-344	Sequence 344, App
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688	56.5	17.3	109	14	US-10-176-488-344	Sequence 344, App	761	56.5	17.3	109	14	US-10-181-650-344	Sequence 344, App
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690	56.5	17.3	109	14	US-10-176-747-344	Sequence 344, App	763	56.5	17.3	109	14	US-10-181-588-344	Sequence 344, App
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693	56.5	17.3	109	14	US-10-176-987-344	Sequence 344, App	766	56.5	17.3	109	14	US-10-187-600-344	Sequence 344, App
694	56.5	17.3	109	14	US-10-176-992-344	Sequence 344, App	767	56.5	17.3	109	14	US-10-187-601-344	Sequence 344, App
695	56.5	17.3	109	14	US-10-176-993-344	Sequence 344, App	768	56.5	17.3	109	14	US-10-187-602-344	Sequence 344, App
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697	56.5	17.3	109	14	US-10-176-991-344	Sequence 344, App	770	56.5	17.3	109	14	US-10-187-741-344	Sequence

817	56.5	17.3	109	14	US-10-196-762-344	Sequence 344, App	890	56.5	17.3	109	14	US-10-183-002-344	Sequence 344, App
818	56.5	17.3	109	14	US-10-197-695-344	Sequence 344, App	891	56.5	17.3	109	14	US-10-184-621-344	Sequence 344, App
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820	56.5	17.3	109	14	US-10-006-856-304	Sequence 304, App	893	56.5	17.3	109	14	US-10-187-752-344	Sequence 344, App
821	56.5	17.3	109	14	US-10-176-484-344	Sequence 344, App	894	56.5	17.3	109	14	US-10-187-887-344	Sequence 344, App
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823	56.5	17.3	109	14	US-10-176-917-344	Sequence 344, App	896	56.5	17.3	109	14	US-10-195-892-344	Sequence 344, App
824	56.5	17.3	109	14	US-10-176-982-344	Sequence 344, App	897	56.5	17.3	109	14	US-10-196-551-344	Sequence 344, App
825	56.5	17.3	109	14	US-10-179-506-344	Sequence 344, App	898	56.5	17.3	109	14	US-10-197-694-344	Sequence 344, App
826	56.5	17.3	109	14	US-10-179-513-344	Sequence 344, App	899	56.5	17.3	109	14	US-10-197-697-344	Sequence 344, App
827	56.5	17.3	109	14	US-10-179-514-344	Sequence 344, App	900	56.5	17.3	109	14	US-10-197-707-344	Sequence 344, App
828	56.5	17.3	109	14	US-10-179-522-344	Sequence 344, App	901	56.5	17.3	109	14	US-10-199-303-344	Sequence 344, App
829	56.5	17.3	109	14	US-10-180-556-344	Sequence 344, App	902	56.5	17.3	109	14	US-10-199-318-344	Sequence 344, App
830	56.5	17.3	109	14	US-10-180-560-344	Sequence 344, App	903	56.5	17.3	109	14	US-10-199-458-344	Sequence 344, App
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832	56.5	17.3	109	14	US-10-184-615-344	Sequence 344, App	905	56.5	17.3	109	14	US-10-201-324-344	Sequence 344, App
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836	56.5	17.3	109	14	US-10-192-010-344	Sequence 344, App	909	56.5	17.3	109	14	US-10-201-529-344	Sequence 344, App
837	56.5	17.3	109	14	US-10-063-553-114	Sequence 114, App	910	56.5	17.3	109	14	US-10-201-530-344	Sequence 344, App
838	56.5	17.3	109	14	US-10-205-908-344	Sequence 344, App	911	56.5	17.3	109	14	US-10-202-408-344	Sequence 344, App
839	56.5	17.3	109	14	US-10-063-518-114	Sequence 114, App	912	56.5	17.3	109	14	US-10-202-409-344	Sequence 344, App
840	56.5	17.3	109	14	US-10-184-619-344	Sequence 344, App	913	56.5	17.3	109	14	US-10-202-411-344	Sequence 344, App
841	56.5	17.3	109	14	US-10-187-599-344	Sequence 344, App	914	56.5	17.3	109	14	US-10-202-472-344	Sequence 344, App
842	56.5	17.3	109	14	US-10-187-750-344	Sequence 344, App	915	56.5	17.3	109	14	US-10-205-507-344	Sequence 344, App
843	56.5	17.3	109	14	US-10-188-780-344	Sequence 344, App	916	56.5	17.3	109	14	US-10-205-511-344	Sequence

963 56.5 17.3 109 14 US-10-063-555-114 Sequence 114, App
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966 56.5 17.3 109 14 US-10-196-754-344 Sequence 344, App
967 56.5 17.3 109 14 US-10-174-571-344 Sequence 344, App
968 56.5 17.3 109 14 US-10-176-746-344 Sequence 344, App
969 56.5 17.3 109 14 US-10-176-923-344 Sequence 344, App
970 56.5 17.3 109 14 US-10-183-011-344 Sequence 344, App
971 56.5 17.3 109 14 US-10-184-633-344 Sequence 344, App
972 56.5 17.3 109 14 US-10-184-639-344 Sequence 344, App
973 56.5 17.3 109 14 US-10-187-742-344 Sequence 344, App
974 56.5 17.3 109 14 US-10-187-748-344 Sequence 344, App
975 56.5 17.3 109 14 US-10-188-766-344 Sequence 344, App
976 56.5 17.3 109 14 US-10-188-771-344 Sequence 344, App
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981 56.5 17.3 109 14 US-10-192-014-344 Sequence 344, App
982 56.5 17.3 109 14 US-10-192-016-344 Sequence 344, App
983 56.5 17.3 109 14 US-10-194-362-344 Sequence 344, App
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990 56.5 17.3 109 14 US-10-195-886-344 Sequence 344, App
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992 56.5 17.3 109 14 US-10-196-746-344 Sequence 344, App
993 56.5 17.3 109 14 US-10-196-753-344 Sequence 344, App
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995 56.5 17.3 109 14 US-10-196-761-344 Sequence 344, App
996 56.5 17.3 109 14 US-10-197-692-344 Sequence 344, App
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998 56.5 17.3 109 14 US-10-197-696-344 Sequence 344, App
999 56.5 17.3 109 14 US-10-197-698-344 Sequence 344, App
1000 56.5 17.3 109 14 US-10-197-703-344 Sequence 344, App

ALIGNMENTS

RESULT 1
US-09-800-729-96
; Sequence 96, Application US/09800729
; Patent No. US2002068319A1
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800, 729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155, 709
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 96
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-96

Query Match 100.0%; Score 326; DB 9; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 81

RESULT 2
US-09-981-353-178
; Sequence 178, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Jones, David A.
; APPLICANT: Lasek, Amy W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981, 353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 178
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID NO. US20020160382A1 1736965CD1
US-09-981-353-178

Query Match 100.0%; Score 326; DB 9; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 81

RESULT 3
US-09-833-245-2160
; Sequence 2160, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833, 245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2160
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2160

Query Match 100.0%; Score 326; DB 11; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 81

RESULT 4
US-10-028-072-150
; Sequence 150, Application US/10028072
; Publication No. US20030004311A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
US-10-028-072-150

APPLICANT: Deenoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Geo, Mei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang
TITLE OF INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/028.072
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
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PRIOR FILING DATE: 1997-09-17
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PRIOR FILING DATE: 1997-09-17
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PRIOR FILING DATE: 1997-09-18
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PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
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PRIOR FILING DATE: 1997-09-24
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PRIOR FILING DATE: 1997-10-24
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PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453
PRIOR FILING DATE: 1997-11-24
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PRIOR APPLICATION NUMBER: 60/066770
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PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
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PRIOR FILING DATE: 1998-02-09
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PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-03-20
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PRIOR FILING DATE: 1998-03-25
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PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
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PRIOR FILING DATE: 1998-04-15
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PRIOR FILING DATE: 1998-04-24
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PRIOR FILING DATE: 1998-04-29
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PRIOR FILING DATE: 1998-05-07
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PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13

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; PRIOR APPLICATION NUMBER: 60/085539
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07

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Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVWVPGALPOV 57
Db      25 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVWVPGALPOV 81

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RESULT 5
US-10-140-808-150
; Sequence 150, Application US/10140808
; Publication No. US20030017563A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

```

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; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C182
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-808-150

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Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVWVPGALPOV 57
Db      25 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVWVPGALPOV 81

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RESULT 6
US-10-121-049-150
; Sequence 150, Application US/10121049
; Publication No. US20030022239A1
; GENERAL INFORMATION:

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; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C17
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-049-150

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Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVWVPGALPOV 57
Db      25 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVWVPGALPOV 81

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US-10-123-904-150
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; Publication No. US20030022328A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C54
; CURRENT APPLICATION NUMBER: US/10/123,904
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-904-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPOV 57
DB 25 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPOV 81

RESULT 8
US-10-140-470-150
; Sequence 150, Application US/10140470
; Publication No. US2003002231A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C160
; CURRENT APPLICATION NUMBER: US/10/140,470
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
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; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-470-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPOV 57
DB 25 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPOV 81

RESULT 9
US-10-175-746-150
; Sequence 150, Application US/10175746
; Publication No. US20030027270A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C353
; CURRENT APPLICATION NUMBER: US/10/175,746
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-746-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPOV 57
DB 25 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPOV 81

RESULT 10
US-10-176-918-150
; Sequence 150, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
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; APPLICANT: Gurney,Austin L.
; APPLICANT: Sherwood,Steven
; APPLICANT: Smith,Victoria
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C382
; CURRENT APPLICATION NUMBER: US/10/176,918
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-918-150
```

```

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 0;
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```

Oy 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 57
Db 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 81
```

```

RESULT 11
US-10-176-921-150
; Sequence 150, Application US/10176921
; Publication No. US20030027276A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C288
; CURRENT APPLICATION NUMBER: US/10/176,921
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-921-150
```

```

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 0;
```

```

Oy 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 57
Db 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 81
```

```

RESULT 12
US-10-137-865-150
; Sequence 150, Application US/10137865
; Publication No. US20030032155A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C154
; CURRENT APPLICATION NUMBER: US/10/137,865
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-137-865-150
```

```

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 0;
```

```

Oy 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 57
Db 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 81
```

```

RESULT 13
US-10-140-474-150
; Sequence 150, Application US/10140474
; Publication No. US20030032156A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C162
; CURRENT APPLICATION NUMBER: US/10/140,474
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
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NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-474-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
Db 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81

RESULT 14
US-10-142-431-150

Sequence 150, Application US/10142431
Publication No. US20030036179A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C251
CURRENT APPLICATION NUMBER: US/10/142,431
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-142-431-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
Db 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81

RESULT 15
US-10-143-114-150

Sequence 150, Application US/10143114
Publication No. US20030036180A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltisen, Mary E.
APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C211
CURRENT APPLICATION NUMBER: US/10/143,114
CURRENT FILING DATE: 2002-05-09
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-114-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
Db 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81

RESULT 16
US-10-142-419-150

Sequence 150, Application US/10142419
Publication No. US20030044945A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C244
CURRENT APPLICATION NUMBER: US/10/142,419
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-142-419-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
Db 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81

```
RESULT 17
US-10-123-262-150
; Sequence 150, Application US/10123262
; Publication No. US20030049816A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C38
; CURRENT APPLICATION NUMBER: US/10/123,262
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-262-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKLEBPRLMVVPGALPQV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKLEBPRLMVVPGALPQV 81

RESULT 18
US-10-142-423-150
; Sequence 150, Application US/10142423
; Publication No. US20030049817A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C29
; CURRENT APPLICATION NUMBER: US/10/142,423
; CURRENT FILING DATE: 2002-05-10
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; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-423-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKLEBPRLMVVPGALPQV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKLEBPRLMVVPGALPQV 81

RESULT 19
US-10-121-050-150
; Sequence 150, Application US/10121050
; Publication No. US20030054516A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C20
; CURRENT APPLICATION NUMBER: US/10/121,050
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-050-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKLEBPRLMVVPGALPQV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKLEBPRLMVVPGALPQV 81

RESULT 20
US-10-141-755-150
; Sequence 150, Application US/10141755
; Publication No. US20030054517A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
```

APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C192
CURRENT APPLICATION NUMBER: US/10/141,755
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-755-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 57
DB 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 81

RESULT 21
US-10-143-032-150
Sequence 150, Application US/10143032
Publication No. US20030059909A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C245
CURRENT APPLICATION NUMBER: US/10/143,032
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-032-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 57
DB 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 81

DB 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 81

RESULT 22
US-10-123-108-150
Sequence 150, Application US/10123108
Publication No. US20030068793A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C36
CURRENT APPLICATION NUMBER: US/10/123,108
CURRENT FILING DATE: 2002-04-15
Prior Application Number: 60/049911
Prior Filing Date: 1997-06-18
Prior Application Number: 60/056974
Prior Filing Date: 1997-08-26
Prior Application Number: 60/059113
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059122
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059184
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059263
Prior Filing Date: 1997-09-18
Prior Application Number: 60/059352
Prior Filing Date: 1997-09-19
Prior Application Number: 60/059588
Prior Filing Date: 1997-09-19
Prior Application Number: 60/059836
Prior Filing Date: 1997-09-24
Prior Application Number: 60/062250
Prior Filing Date: 1997-10-17
Prior Application Number: 60/062285
Prior Filing Date: 1997-10-17
Prior Application Number: 60/062287
Prior Filing Date: 1997-10-17
Prior Application Number: 60/062814
Prior Filing Date: 1997-10-24
Prior Application Number: 60/062816
Prior Filing Date: 1997-10-24
Prior Application Number: 60/063045
Prior Filing Date: 1997-10-24
Prior Application Number: 60/063082
Prior Filing Date: 1997-10-31
Prior Application Number: 60/063127
Prior Filing Date: 1997-10-24
Prior Application Number: 60/063327
Prior Filing Date: 1997-10-27
Prior Application Number: 60/063329
Prior Filing Date: 1997-10-27
Prior Application Number: 60/063550

PRIOR FILING DATE: 1997-10-28
 PRIOR APPLICATION NUMBER: 60/063561
 PRIOR FILING DATE: 1997-10-28
 PRIOR APPLICATION NUMBER: 60/063704
 PRIOR FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: 60/063733
 PRIOR FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: 60/063735
 PRIOR FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: 60/063738
 PRIOR FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: 60/063755
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/064248
 PRIOR FILING DATE: 1997-11-03
 PRIOR APPLICATION NUMBER: 60/064809
 PRIOR FILING DATE: 1997-11-07
 PRIOR APPLICATION NUMBER: 60/065186
 PRIOR FILING DATE: 1997-11-12
 PRIOR APPLICATION NUMBER: 60/065846
 PRIOR FILING DATE: 1997-11-17
 PRIOR APPLICATION NUMBER: 60/066364
 PRIOR FILING DATE: 1997-11-21
 PRIOR APPLICATION NUMBER: 60/066453
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/066511
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/066770
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/069212
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069278
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069334
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069694
 PRIOR FILING DATE: 1997-12-16
 PRIOR APPLICATION NUMBER: 60/072320
 PRIOR FILING DATE: 1998-01-23
 PRIOR APPLICATION NUMBER: 60/073612
 PRIOR FILING DATE: 1998-02-04
 PRIOR APPLICATION NUMBER: 60/074086
 PRIOR FILING DATE: 1998-02-09
 PRIOR APPLICATION NUMBER: 60/074092
 PRIOR FILING DATE: 1998-02-09
 PRIOR APPLICATION NUMBER: 60/077791
 PRIOR FILING DATE: 1998-03-12
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/079294
 PRIOR FILING DATE: 1998-03-25
 PRIOR APPLICATION NUMBER: 60/079663
 PRIOR FILING DATE: 1998-02-27
 PRIOR APPLICATION NUMBER: 60/079728
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/080165
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/081203
 PRIOR FILING DATE: 1998-04-09
 PRIOR APPLICATION NUMBER: 60/081229
 PRIOR FILING DATE: 1998-04-09
 PRIOR APPLICATION NUMBER: 60/081695
 PRIOR FILING DATE: 1998-04-14
 PRIOR APPLICATION NUMBER: 60/081817
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/081818
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/082999
 PRIOR FILING DATE: 1998-04-24
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/083545
 PRIOR FILING DATE: 1998-04-29

PRIOR APPLICATION NUMBER: 60/084600
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084627
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084637
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/085149
 PRIOR FILING DATE: 1998-05-12
 PRIOR APPLICATION NUMBER: 60/085323
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085338
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085339
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085579
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085697
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085704
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/086414
 PRIOR FILING DATE: 1998-05-22
 PRIOR APPLICATION NUMBER: 60/086430
 PRIOR FILING DATE: 1998-05-22
 PRIOR APPLICATION NUMBER: 60/087106
 PRIOR FILING DATE: 1998-05-28
 PRIOR APPLICATION NUMBER: 60/088026
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088730
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088741
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088810
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088858
 PRIOR FILING DATE: 1998-06-11
 PRIOR APPLICATION NUMBER: 60/089532
 PRIOR FILING DATE: 1998-06-17
 PRIOR APPLICATION NUMBER: 60/089599
 PRIOR FILING DATE: 1998-06-17
 PRIOR APPLICATION NUMBER: 60/089907
 PRIOR FILING DATE: 1998-06-18
 PRIOR APPLICATION NUMBER: 60/089947
 PRIOR FILING DATE: 1998-06-19
 PRIOR APPLICATION NUMBER: 60/090349
 PRIOR FILING DATE: 1998-06-23
 PRIOR APPLICATION NUMBER: 60/090429
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090445
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090538
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090863
 PRIOR FILING DATE: 1998-06-26
 PRIOR APPLICATION NUMBER: 60/091360
 PRIOR FILING DATE: 1998-07-01
 PRIOR APPLICATION NUMBER: 60/091519
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0% Score 326; DB 14; Length 81;
 Best Local Similarity 100.0%; Pred. No. 1,1e-30;
 Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKAWGRRTRLCKHVRPSPNSTNLKGHHVRLCKPCKLEPPRLVWVPGALPOV 57
 DB 25 KRRPAKAWGRRTRLCKHVRPSPNSTNLKGHHVRLCKPCKLEPPRLVWVPGALPOV 81

RESULT 23
 US-10-123-236-150
 ; Sequence 150, Application US/10123236
 ; Publication No. US20030068795A1

```
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Goddard, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tuma, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C3
/ CURRENT APPLICATION NUMBER: US/10/123, 236
/ CURRENT FILING DATE: 2002-04-15
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 150
/ LENGTH: 81
/ TYPE: PRT
/ ORGANISM: Homo Saplen
/ US-10-123-236-150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
DB 25 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81
```

```
RESULT 24
US-10-123-261-150
/ Sequence 150, Application US/10123261
/ Publication No. US20030068796A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Goddard, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tuma, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C42
/ CURRENT APPLICATION NUMBER: US/10/123, 261
/ CURRENT FILING DATE: 2002-04-15
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 150
/ LENGTH: 81
/ TYPE: PRT
/ ORGANISM: Homo Saplen
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US-10-123-261-150

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
DB 25 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81
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RESULT 25

```
US-10-140-921-150
/ Sequence 150, Application US/10140921
/ Publication No. US20030068797A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Goddard, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tuma, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C175
/ CURRENT APPLICATION NUMBER: US/10/140, 921
/ CURRENT FILING DATE: 2002-05-07
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 150
/ LENGTH: 81
/ TYPE: PRT
/ ORGANISM: Homo Saplen
/ US-10-140-921-150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
DB 25 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81
```

RESULT 26

```
US-10-140-928-150
/ Sequence 150, Application US/10140928
/ Publication No. US20030068798A1
/ GENERAL INFORMATION:
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```
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Goddard, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
```

```

; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C16
; CURRENT APPLICATION NUMBER: US/10/140,928
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-928-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMVVPGALPGV 57
Db 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMVVPGALPGV 81

RESULT 27
US-10-121-045-150
; Sequence 150, Application US/10121045
; Publication No. US20030073210A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C8
; CURRENT APPLICATION NUMBER: US/10/121,045
; CURRENT FILING DATE: 2002-04-11
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-045-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMVVPGALPGV 57
Db 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMVVPGALPGV 81

RESULT 28
US-10-123-292-150
; Sequence 150, Application US/10123292
```

```

; Publication No. US20030073211A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C32
; CURRENT APPLICATION NUMBER: US/10/123,292
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-292-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMVVPGALPGV 57
Db 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMVVPGALPGV 81

RESULT 29
US-10-123-903-150
; Sequence 150, Application US/10123903
; Publication No. US20030073212A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C51
; CURRENT APPLICATION NUMBER: US/10/123,903
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
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ORGANISM: Homo Sapien
US-10-123-903-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEPRLMVVPGALPOV 57
DB 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEPRLMVVPGALPOV 81

RESULT 30

US-10-124-819-150
Sequence 150, Application US/10124819
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Tumanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C65
CURRENT APPLICATION NUMBER: US/10/124, 819
CURRENT FILING DATE: 2002-04-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-819-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEPRLMVVPGALPOV 57
DB 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEPRLMVVPGALPOV 81

RESULT 31

US-10-124-822-150
Sequence 150, Application US/10124822
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Tumanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3330R1C64

CURRENT APPLICATION NUMBER: US/10/124, 822

CURRENT FILING DATE: 2002-04-17

Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 150

LENGTH: 81

TYPE: PRT

ORGANISM: Homo Sapien

US-10-124-822-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEPRLMVVPGALPOV 57
DB 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEPRLMVVPGALPOV 81

RESULT 32

US-10-140-925-150
Sequence 150, Application US/10140925
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Tumanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C187
CURRENT APPLICATION NUMBER: US/10/140, 925
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-925-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEPRLMVVPGALPOV 57
DB 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEPRLMVVPGALPOV 81

RESULT 33

US-10-160-498-150

```
; Sequence 150, Application US/10160498
; Publication No. US20030073216A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria A.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C451
; CURRENT APPLICATION NUMBER: US/10/160,498
; CURRENT FILING DATE: 2002-05-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-160-498-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVVGALPGV 57
DB      25 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVVGALPGV 81

RESULT 34
US-10-124-824-150
; Sequence 150, Application US/10124824
; Publication No. US20030077659A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria A.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C68
; CURRENT APPLICATION NUMBER: US/10/124,824
; CURRENT FILING DATE: 2002-04-17
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
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; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-124-824-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVVGALPGV 57
DB      25 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVVGALPGV 81

RESULT 35
US-10-127-825A-150
; Sequence 150, Application US/10127825A
; Publication No. US20030077710A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria A.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C84
; CURRENT APPLICATION NUMBER: US/10/127,825A
; CURRENT FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-825A-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVVGALPGV 57
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Db 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEBPRLMVVPGALPOV 81

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RESULT 36
US-10-127-829A-150
; Sequence 150, Application US/10127829A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C85
; CURRENT APPLICATION NUMBER: US/10/127, 829A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059164
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-829A-150
```

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Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEBPRLMVVPGALPOV 57
Db 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEBPRLMVVPGALPOV 81

RESULT 37
US-10-127-835A-150
; Sequence 150, Application US/10127835A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
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```
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C102
; CURRENT APPLICATION NUMBER: US/10/127, 835A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-835A-150
```

```
Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEBPRLMVVPGALPOV 57
Db 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEBPRLMVVPGALPOV 81

RESULT 38
US-10-127-839A-150
; Sequence 150, Application US/10127839A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
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; APPLICANT: Gurney,Austin L.
; APPLICANT: Sherwood,Steven
; APPLICANT: Smith,Victoria
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C105
; CURRENT APPLICATION NUMBER: US/10/127,839A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-839A-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPPAKAMSGRRTRLCCHRVPSNSTNLKGHHVRLCKPCKLBPRLMWVPGALPOV 57
DB 25 KRPPAKAMSGRRTRLCCHRVPSNSTNLKGHHVRLCKPCKLBPRLMWVPGALPOV 81

RESULT 39
US-10-127-901A-150
; Sequence 150, Application US/10127901A
; Publication No. US20030077714A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

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; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C106
; CURRENT APPLICATION NUMBER: US/10/127,901A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-901A-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPPAKAMSGRRTRLCCHRVPSNSTNLKGHHVRLCKPCKLBPRLMWVPGALPOV 57
DB 25 KRPPAKAMSGRRTRLCCHRVPSNSTNLKGHHVRLCKPCKLBPRLMWVPGALPOV 81

RESULT 40
US-10-128-693A-150
; Sequence 150, Application US/10128693A
; Publication No. US20030077715A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C120
; CURRENT APPLICATION NUMBER: US/10/128,693A
; PRIOR FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
```

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; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059164
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-128-693a-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,le-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRBPAAKWSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 57
Db      25 KRBPAAKWSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 81

RESULT 41
US-10-131-813a-150
; Sequence 150, Application US/10131813a
; Publication No. US2003007716A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin J.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tuma, Daniel
; APPLICANT: Tuma, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C139
; CURRENT APPLICATION NUMBER: US/10/131, 813a
; PRIOR FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-813a-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,le-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRBPAAKWSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 57
Db      25 KRBPAAKWSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 81

RESULT 42
US-10-131-818a-150
; Sequence 150, Application US/10131818a
; Publication No. US2003007717A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin J.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tuma, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C141
; CURRENT APPLICATION NUMBER: US/10/131, 818a
; PRIOR FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-813a-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,le-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRBPAAKWSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 57
Db      25 KRBPAAKWSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 81
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; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-813a-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,le-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRBPAAKWSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 57
Db      25 KRBPAAKWSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 81

RESULT 42
US-10-131-818a-150
; Sequence 150, Application US/10131818a
; Publication No. US2003007717A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin J.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tuma, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C141
; CURRENT APPLICATION NUMBER: US/10/131, 818a
; PRIOR FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-813a-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,le-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRBPAAKWSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 57
Db      25 KRBPAAKWSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 81
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LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-818A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCHRVPSPNSTNLKGHHVRLCKPCKLEPRLVWVGALPOV 57
DB 25 KRPAKAMSGRRTRLCHRVPSPNSTNLKGHHVRLCKPCKLEPRLVWVGALPOV 81

RESULT 43
US-10-131-823A-150
Sequence 150, Application US/10131823A
Publication No. US20030077718A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C143
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-823A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCHRVPSPNSTNLKGHHVRLCKPCKLEPRLVWVGALPOV 57
DB 25 KRPAKAMSGRRTRLCHRVPSPNSTNLKGHHVRLCKPCKLEPRLVWVGALPOV 81

RESULT 44
US-10-131-824A-150
Sequence 150, Application US/10131824A
Publication No. US20030077719A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C126
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-824A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCHRVPSPNSTNLKGHHVRLCKPCKLEPRLVWVGALPOV 57
DB 25 KRPAKAMSGRRTRLCHRVPSPNSTNLKGHHVRLCKPCKLEPRLVWVGALPOV 81

RESULT 45
US-10-131-830A-150
Sequence 150, Application US/10131830A
Publication No. US20030077720A1

```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C137
; CURRENT APPLICATION NUMBER: US/10/131,830A
; PRIOR FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-830A-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRPPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMVPVPGALPOV 57
DB      25 KRPPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMVPVPGALPOV 81

RESULT 46
US-10-131-837A-150
; Sequence 150, Application US/10131837A
; Publication No. US2003007721A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey

```

```

; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C131
; CURRENT APPLICATION NUMBER: US/10/131,837A
; CURRENT FILING DATE: 2002-10-15
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-837A-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRPPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMVPVPGALPOV 57
DB      25 KRPPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMVPVPGALPOV 81

RESULT 47
US-10-137-872A-150
; Sequence 150, Application US/10137872A
; Publication No. US2003007722A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin

```

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C150
; CURRENT APPLICATION NUMBER: US/10/137,872A
; PRIOR FILING DATE: 2002-05-03
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining prior application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; TYPE: PRT
; LENGTH: 81
; ORGANISM: Homo Sapien
US-10-137-872A-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPQV 57
DB 25 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPQV 81

RESULT 48
US-10-147-500-150
; Sequence 150, Application US/10147500
; Publication No. US2003007723A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin J.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C325
; CURRENT APPLICATION NUMBER: US/10/147,500
; PRIOR FILING DATE: 2002-05-16
; Prior application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
```

```

; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-500-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPQV 57
DB 25 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPQV 81

RESULT 49
US-10-147-502-150
; Sequence 150, Application US/10147502
; Publication No. US2003007724A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin J.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C326
; CURRENT APPLICATION NUMBER: US/10/147,502
; PRIOR FILING DATE: 2002-05-16
; Prior application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-502-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPQV 57
DB 25 KRRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPQV 81

RESULT 50
US-10-147-515-150
; Sequence 150, Application US/10147515
; Publication No. US2003007725A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin J.
; APPLICANT: Sherwood, Steven
```



```
APPLICANT: Smith,Victoria
APPLICANT: Stewart,Timothy A.
APPLICANT: Tumaas,Daniel
APPLICANT: Watanabe,Colin K
APPLICANT: Wood,William
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333ORIC342
CURRENT APPLICATION NUMBER: US/10/147,515
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Saplen
US-10-147-515-150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVTVPALPOV 57
Db 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVTVPALPOV 81
```

```
RESULT 51
US-10-147-517-150
Sequence 150, Application US/10147517
Publication No. US20030077726A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumaas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333ORIC337
CURRENT APPLICATION NUMBER: US/10/147,517
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Saplen
US-10-147-517-150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVTVPALPOV 57
Db 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVTVPALPOV 81
```

RESULT 52

```
US-10-147-526-150
Sequence 150, Application US/10147526
Publication No. US20030077727A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumaas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333ORIC343
CURRENT APPLICATION NUMBER: US/10/147,526
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Saplen
US-10-147-526-150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVTVPALPOV 57
Db 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVTVPALPOV 81
```

```
RESULT 53
US-10-147-527-150
Sequence 150, Application US/10147527
Publication No. US20030077728A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumaas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333ORIC353
CURRENT APPLICATION NUMBER: US/10/147,527
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```



```
RESULT 57
US-10-123-215-150
; Sequence 150, Application US/10123215
; Publication No. US20030077780A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Collin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C41
; CURRENT APPLICATION NUMBER: US/10/123,215
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-215-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRBPAAWMSGRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLBEPRLMTWVPGALPOV 57
DB      25 KRBPAAWMSGRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLBEPRLMTWVPGALPOV 81

RESULT 58
US-10-123-902-150
; Sequence 150, Application US/10123902
; Publication No. US20030077781A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Collin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C47
; CURRENT APPLICATION NUMBER: US/10/123,902
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
```

```
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-902-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRBPAAWMSGRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLBEPRLMTWVPGALPOV 57
DB      25 KRBPAAWMSGRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLBEPRLMTWVPGALPOV 81

RESULT 59
US-10-123-908-150
; Sequence 150, Application US/10123908
; Publication No. US20030077782A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Collin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C44
; CURRENT APPLICATION NUMBER: US/10/123,908
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-908-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRBPAAWMSGRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLBEPRLMTWVPGALPOV 57
DB      25 KRBPAAWMSGRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLBEPRLMTWVPGALPOV 81

RESULT 60
US-10-123-909-150
; Sequence 150, Application US/10123909
; Publication No. US20030077783A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Collin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C47
; CURRENT APPLICATION NUMBER: US/10/123,909
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
```

```
APPLICANT: Gurney,Austin L.
APPLICANT: Sherwood,Steven
APPLICANT: Smith,Victoria
APPLICANT: Stewart,Timothy A.
APPLICANT: Tumas,Daniel
APPLICANT: Watanabe,Colin K
APPLICANT: Wood,William
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C49
CURRENT FILING DATE: 2002-04-16
CURRENT APPLICATION NUMBER: US/10/123,909
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-909-150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLWVPGALPOV 57
DB 25 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLWVPGALPOV 81
```

```
RESULT 61
US-10-123-910-150
Sequence 150, Application US/10123910
GENERAL INFORMATION:
```

```
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C45
CURRENT APPLICATION NUMBER: US/10/123,910
CURRENT FILING DATE: 2002-04-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-910-150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLWVPGALPOV 57
DB 25 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLWVPGALPOV 81
```

```
RESULT 62
US-10-124-813-150
Sequence 150, Application US/10124813
Publication No. US2003007785A1
GENERAL INFORMATION:
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```
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C67
CURRENT APPLICATION NUMBER: US/10/124,813
CURRENT FILING DATE: 2002-04-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-813-150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLWVPGALPOV 57
DB 25 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLWVPGALPOV 81
```

```
RESULT 63
US-10-124-817-150
Sequence 150, Application US/10124817
Publication No. US2003007786A1
GENERAL INFORMATION:
```

```
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C56
CURRENT APPLICATION NUMBER: US/10/124,817
CURRENT FILING DATE: 2002-04-17
Prior Application removed - See File Wrapper or Palm
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NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-817-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 57
DB 25 KRBPAAKMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 81

RESULT 64
US-10-125-922-150
Sequence 150, Application US/10125922
Publication No. US2003007787A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C73
CURRENT APPLICATION NUMBER: US/10/125,922
CURRENT FILING DATE: 2002-04-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-922-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 57
DB 25 KRBPAAKMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 81

RESULT 65
US-10-125-924-150
Sequence 150, Application US/10125924
Publication No. US2003007788A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C75
CURRENT APPLICATION NUMBER: US/10/125,924
CURRENT FILING DATE: 2002-04-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-924-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 57
DB 25 KRBPAAKMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 81

RESULT 66
US-10-140-860-150
Sequence 150, Application US/10140860
Publication No. US2003007789A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C189
CURRENT APPLICATION NUMBER: US/10/140,860
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-860-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 57
DB 25 KRBPAAKMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 81

```
RESULT 67
US-10-142-417-150
; Sequence 150, Application US/10142417
; Publication No. US2003007790A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C232
; CURRENT APPLICATION NUMBER: US/10/142,417
; CURRENT FILING DATE: 2002-05-09
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-417-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81

RESULT 68
US-10-147-519-150
; Sequence 150, Application US/10147519
; Publication No. US2003007791A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C346
; CURRENT APPLICATION NUMBER: US/10/147,519
; CURRENT FILING DATE: 2002-05-17
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; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-519-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81

RESULT 69
US-10-157-782-150
; Sequence 150, Application US/10157782
; Publication No. US2003007792A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C431
; CURRENT APPLICATION NUMBER: US/10/157,782
; CURRENT FILING DATE: 2002-05-29
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-157-782-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81

RESULT 70
US-10-152-395-150
; Sequence 150, Application US/10152395
; Publication No. US2003007837A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
```

```

APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081CA05
CURRENT APPLICATION NUMBER: US/10/152,395
CURRENT FILING DATE: 2002-05-21
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-152-395-150

```

Query Match	100.0%;	Score 326;	DB 14;	Length 81;
Best Local Similarity	100.0%;	Pred. No. 1.1e-30;		
Matches 57;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy 1 KRPAKAWSGRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRMLVWPGALPQV 57
Dy 25 KRPAKAWSGRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRMLVWPGALPQV 81

RESULT 71
US-10-1.25

```

Sequence 150, Application US/10125926A
Publication No. US20030082686A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Deenoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Collin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OR INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C80
CURRENT APPLICATION NUMBER: US/10/125,926A
CURRENT FILING DATE: 2002-10-15
PRIORITY APPLICATION NUMBER: 60/049911
PRIORITY FILING DATE: 1997-06-18
PRIORITY APPLICATION NUMBER: 60/056974
PRIORITY FILING DATE: 1997-08-26
PRIORITY APPLICATION NUMBER: 60/059113
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059115
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059117
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059122
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059184
PRIORITY FILING DATE: 1997-09-17

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? PRIOR APPLICATION NUMBER: 60/059263
? PRIOR FILING DATE: 1997-09-18
? PRIOR APPLICATION NUMBER: 60/059352
? PRIOR FILING DATE: 1997-09-19
? PRIOR APPLICATION NUMBER: 60/059588
? PRIOR FILING DATE: 1997-09-19
? Remaining Prior Application data removed - See File Wrapper or PALM
? NUMBER OF SEQ ID NOS: 550
? SEQ ID NO 150
? LENGTH: 81
? TYPE: prt
? ORGANISM: Homo Sapien
US-10-125-926A-150

```

Query Match	100.0%	Score 326; DB 14;	Length 81;
Best Local Similarity	100.0%	Pred. No. 1, 1e-30;	
Matches 57; Conservative	0;	Mismatches 0;	Indels 0; Gaps 0;

Qy	Dy
1 KRRPAKAWSGARTRLCCHRVPSNPSTNLKGHHVRLCKPCKLEPEPRLMVVPGLPQV 57	25 KRRPAKAWSGARTRLCCHRVPSNPSTNLKGHHVRLCKPCKLEPEPRLMVVPGLPQV 81

RESULT 72
US-10-125-930A-150

```

Sequence 150, Application US/10125930A
Publication No. US20030082687A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Mei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C78
CURRENT APPLICATION NUMBER: US/10/125,930A
CURRENT FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
SEQ ID NO 150

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LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-930A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 25 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81

RESULT 73
US-10-127-831A-150
Sequence 150, Application US/10127831A
Publication No. US2003008269A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C107
CURRENT APPLICATION NUMBER: US/10/127, 831A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-831A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 25 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81

RESULT 74
US-10-127-837A-150
Sequence 150, Application US/10127837A
Publication No. US20030082690A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C96
CURRENT APPLICATION NUMBER: US/10/127, 837A
PRIOR FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-837A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 25 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81

RESULT 75
US-10-127-838B-150
Sequence 150, Application US/10127838B
Publication No. US20030082691A1


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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C98
; CURRENT APPLICATION NUMBER: US/10/127,838B
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-838B-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,le-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAAWAGRRRLCCRRVPSNNTNLKGHHVRLCKPCKLEPEPRRLWVPGALPOV 57
DB      25 KRRPAAWAGRRRLCCRRVPSNNTNLKGHHVRLCKPCKLEPEPRRLWVPGALPOV 81

Search completed: May 4, 2005, 22:52:56
Job time : 81.6739 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 3, 2005, 20:46:27 ; Search time 20.5435 Seconds

(Without alignments)
294.331 Million cell updates/sec

Title: US-09-724-000A-5

Perfect score: 442
Sequence: 1 MRLVLSLLCILLCFSTF.....PCKLEPRRLWVPGALPOV 81

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA:
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2: /cgn2_6/ptodara/1/1aa/5B COMB.pep.*
3: /cgn2_6/ptodara/1/1aa/6A COMB.pep.*
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5: /cgn2_6/ptodara/1/1aa/PTUS COMB.pep.*
6: /cgn2_6/ptodara/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	442	100.0	81	4 US-09-800-729-96	Sequence 96, Appl
2	442	100.0	109	4 US-09-800-729-184	Sequence 184, Appl
3	71.5	16.2	489	4 US-09-252-991A-18577	Sequence 18577, A
4	70.5	16.0	523	4 US-09-910-174B-11	Sequence 11, Appl
5	70.5	16.0	523	4 US-09-620-461-11	Sequence 11, Appl
6	70.5	16.0	581	2 US-08-724-394A-3	Sequence 3, Appl
7	69	15.6	875	1 US-08-480-547A-10	Sequence 10, Appl
8	69	15.6	875	1 US-08-250-847B-10	Sequence 10, Appl
9	69	15.6	875	2 US-08-463-949A-10	Sequence 10, Appl
10	69	15.6	875	3 US-08-464-410A-10	Sequence 10, Appl
11	68	15.4	1023	4 US-09-270-767-43827	Sequence 43827, A
12	66	14.9	178	4 US-09-252-991A-23975	Sequence 23975, A
13	65.5	14.8	355	4 US-09-252-991A-25895	Sequence 25895, A
14	65	14.7	595	4 US-09-252-991A-30780	Sequence 30780, A
15	64.5	14.6	248	4 US-09-489-039A-12849	Sequence 12849, A
16	64	14.5	273	4 US-09-252-991A-23651	Sequence 23651, A
17	63	14.3	303	4 US-09-252-991A-22757	Sequence 22757, A
18	62.5	14.1	142	4 US-09-800-729-90	Sequence 90, Appl
19	62.5	14.1	146	4 US-08-476-120-8	Sequence 8, Appl
20	62.5	14.1	194	4 US-09-252-991A-27085	Sequence 27085, A
21	62.5	14.1	256	4 US-09-252-991A-23974	Sequence 23974, A
22	62.5	14.1	928	4 US-09-252-991A-25902	Sequence 25902, A
23	62	14.0	192	3 US-09-397-992A-24	Sequence 24, Appl
24	62	14.0	192	4 US-09-971-843-24	Sequence 24, Appl
25	62	14.0	632	1 US-08-295-814E-10	Sequence 10, Appl
26	62	14.0	632	1 US-09-343-361-10	Sequence 10, Appl
27	62	14.0	632	5 PCT-US93-01959-10	Sequence 10, Appl

28	61.5	13.9	172	4 US-09-270-767-36940	Sequence 36940, A
29	61.5	13.9	172	4 US-09-270-767-52157	Sequence 52157, A
30	61.5	13.9	192	4 US-09-252-991A-19447	Sequence 19447, A
31	61.5	13.9	422	4 US-09-949-016-8167	Sequence 8167, Ap
32	61.5	13.9	527	4 US-09-910-174B-10	Sequence 10, Appl
33	61.5	13.9	527	4 US-09-620-461-10	Sequence 10, Appl
34	61.5	13.9	529	4 US-09-910-174B-13	Sequence 13, Appl
35	61.5	13.9	529	4 US-09-620-461-13	Sequence 13, Appl
36	61	13.8	159	3 US-08-991-890-4	Sequence 4, Appl
37	61	13.8	159	4 US-09-518-842-4	Sequence 4, Appl
38	61	13.8	859	4 US-09-902-540-11347	Sequence 11347, A
39	60.5	13.7	247	4 US-09-949-016-6225	Sequence 6225, Ap
40	60.5	13.7	247	5 PCT-US94-10257A-2	Sequence 2, Appl
41	60.5	13.7	258	4 US-09-270-767-57680	Sequence 57680, A
42	60.5	13.7	260	4 US-09-949-016-8243	Sequence 8243, Ap
43	60.5	13.7	359	4 US-09-252-991A-18788	Sequence 18788, A
44	60.5	13.7	607	4 US-08-556-422A-4	Sequence 4, Appl
45	60	13.6	425	4 US-09-252-991A-19692	Sequence 19692, A

ALIGNMENTS

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RESULT 1
US-09-800-729-96
; Sequence 96, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: Patentn Ver. 2.0
; SEQ ID NO 96
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-96

Query Match      100.0%; Score 442; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 2.9e-48;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRLVLSLLCILLCFSTFSTGKRRPAKAWGGRTRLCCHRVPSNSTNLKGHVRLC 60
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DB      1 MRLVLSLLCILLCFSTFSTGKRRPAKAWGGRTRLCCHRVPSNSTNLKGHVRLC 60

QY      61 KPCKLEPRRLWVPGALPOV 81
      |||
DB      61 KPCKLEPRRLWVPGALPOV 81

RESULT 2
US-09-800-729-184
; Sequence 184, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217

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/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 184
/ LENGTH: 109
/ TYPE: PRF
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (3)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-800-729-184

Query Match
Best Local Similarity 100.0%; Score 442; DB 4; Length 109;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db
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29 MRLVLSLLCTILLCFSTFSTGKRRPAKAWSGRTRLCRRVSPNSTNLKGHHVRLC 88

QY
61 KPCKLEPRLWVVPALPOV 81
89 KPCKLEPRLWVVPALPOV 109

Db
89 KPCKLEPRLWVVPALPOV 109

RESULT 3
US-09-252-991A-18577
/ Sequence 18577, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ PRIOR FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 18577
/ LENGTH: 489
/ TYPE: PRF
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18577

Query Match
Best Local Similarity 16.2%; Score 71.5; DB 4; Length 489;
Matches 30; Conservative 2; Mismatches 22; Indels 57; Gaps 4;

Db
23 EGKRRPAKAWSGRTRLCRRVSPNSTNLKGHHVRLC 55
212 QGHRPAGGVSHAVPLRHDLPGRKHLDVNRDHPGNGNLGHRGRDHRHGLAAR 271

QY
56 -----HV-----RLCKPCKLEPRLWVVPALPOV 76
272 GORPARGHVLDHAGADRLRLHPRRLRRRRSGGDRDQPLRGHRHVVPG 322

Db
272 GORPARGHVLDHAGADRLRLHPRRLRRRRSGGDRDQPLRGHRHVVPG 322

RESULT 4
US-09-910-174B-11
/ Sequence 11, Application US/09910174B
/ Patent No. 6630575
/ GENERAL INFORMATION:
/ APPLICANT: Coyle, Anthony J.
/ APPLICANT: Frazer, Christopher C.
/ APPLICANT: Manning, Stephen
/ TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
/ TITLE OF INVENTION: Family and Uses Thereof
/ FILE REFERENCE: 35800/236924
/ CURRENT APPLICATION NUMBER: US/09/910,174B
/ CURRENT FILING DATE: 2001-07-20
/ PRIOR APPLICATION NUMBER: US 09/620,461
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/ PRIOR FILING DATE: 2000-07-20
/ NUMBER OF SEQ ID NOS: 32
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 11
/ LENGTH: 523
/ TYPE: PRF
/ ORGANISM: Homo sapiens
US-09-910-174B-11

Query Match
Best Local Similarity 16.0%; Score 70.5; DB 4; Length 523;
Matches 18; Conservative 8; Mismatches 24; Indels 3; Gaps 1;

Db
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15 LVLSLLCTILLCFSTFSTGKRRPAKAWSGRTRLCRRVSPNSTNLKGHHVRLC 67

QY
15 LVLSLLCTILLCFSTFSTGKRRPAKAWSGRTRLCRRVSPNSTNLKGHHVRLC 67

Db
15 LVLSLLCTILLCFSTFSTGKRRPAKAWSGRTRLCRRVSPNSTNLKGHHVRLC 67

RESULT 5
US-09-620-461-11
/ Sequence 11, Application US/09620461
/ Patent No. 6635750
/ GENERAL INFORMATION:
/ APPLICANT: Coyle, Anthony J.
/ APPLICANT: Frazer, Christopher C.
/ APPLICANT: Manning, Stephen
/ TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
/ TITLE OF INVENTION: Family and Uses Thereof
/ FILE REFERENCE: 5800-149
/ CURRENT APPLICATION NUMBER: US/09/620,461
/ CURRENT FILING DATE: 2000-07-20
/ NUMBER OF SEQ ID NOS: 29
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 11
/ LENGTH: 523
/ TYPE: PRF
/ ORGANISM: Homo sapiens
US-09-620-461-11

Query Match
Best Local Similarity 16.0%; Score 70.5; DB 4; Length 523;
Matches 18; Conservative 8; Mismatches 24; Indels 3; Gaps 1;

Db
4 LVLSLLCTILLCFSTFSTGKRRPAKAWSGRTRLCRRVSPNSTNLKGHHVRLC 53
15 LVLSLLCTILLCFSTFSTGKRRPAKAWSGRTRLCRRVSPNSTNLKGHHVRLC 67

QY
15 LVLSLLCTILLCFSTFSTGKRRPAKAWSGRTRLCRRVSPNSTNLKGHHVRLC 67

Db
15 LVLSLLCTILLCFSTFSTGKRRPAKAWSGRTRLCRRVSPNSTNLKGHHVRLC 67

RESULT 6
US-08-724-394A-3
/ Sequence 3, Application US/08724394A
/ Patent No. 5872237
/ GENERAL INFORMATION:
/ APPLICANT: Feder, John N.
/ APPLICANT: Krommal, Gregory S.
/ APPLICANT: Lauer, Peter M.
/ APPLICANT: Ruddy, David A.
/ APPLICANT: Thomas, Winston
/ APPLICANT: Tsuchihashi, Zenta
/ APPLICANT: Wolfe, Roger K.
/ TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
/ TITLE OF INVENTION: Sequences and Antibodies Thereo
/ NUMBER OF SEQUENCES: 31
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: TOWNSEND and TOWNSEND and CREW LLP
/ STREET: Two Embarcadero Center, 8th Floor
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94111-3834
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitch, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 581 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
FEATURES:
NAME/KEY: Region
LOCATION: 1..581
OTHER INFORMATION: /note= "BTF2"
US-08-724-394A-3

Query Match 16.0%; Score 70.5; DB 2; Length 581;
Best Local Similarity 34.0%; Pred. No. 2.1;
Matches 18; Conservative 8; Mismatches 24; Indels 3; Gaps 1;

QY 4 LVLSLLCLLLCFPSI---FSTEGKRRPAKWSGRTRLCCHRVSPNSNTLK 53
DB 15 LLLLLLLSLCALVSAQFTVGPANPILAVGENTTLCHLSPKNAEDME 67

RESULT 7
US-08-480-547A-10
Sequence 10, Application US/08480547A
Patent No. 5652131
GENERAL INFORMATION:
APPLICANT: Beavo, Joseph A.
APPLICANT: Corbin, Jackie D.
APPLICANT: Ferguson, Kenneth M.
APPLICANT: Francis, Sharon H.
APPLICANT: Kadlecik, Ann
APPLICANT: Loughney, Kate
APPLICANT: McAllister-Lucas, Linda M.
APPLICANT: Sonnenburg, William K.
APPLICANT: Thomas, Melissa K.
TITLE OF INVENTION: Cyclic GMP-Binding, Cyclic GMP-Specific
TITLE OF INVENTION: Phosphodiesterase Materials and Methods
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,547A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 5652131and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 32791
TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-480-547A-10

Query Match 15.6%; Score 69; DB 1; Length 875;
Best Local Similarity 36.1%; Pred. No. 5.3;
Matches 22; Conservative 4; Mismatches 27; Indels 8; Gaps 5;

QY 17 FSIFSTEGKRRPAKWSGRTRLCCHRVSPNSNTLKHHVRLCKPCKLEPEPRL-WVVP 75
DB 32 FSYFVRKGTREMNVAFAERV---HTIPVCKE-GIKG-HTSCS-CPLQPSDRAESSVP 84

QY 76 G 76
DB 85 G 85

RESULT 8
US-08-250-847B-10
Sequence 10, Application US/08250847B
Patent No. 5702936
GENERAL INFORMATION:
APPLICANT: Beavo, Joseph A.
APPLICANT: Corbin, Jackie D.
APPLICANT: Ferguson, Kenneth M.
APPLICANT: Francis, Sharon H.
APPLICANT: Kadlecik, Ann
APPLICANT: Loughney, Kate
APPLICANT: McAllister-Lucas, Linda M.
APPLICANT: Sonnenburg, William K.
APPLICANT: Thomas, Melissa K.
TITLE OF INVENTION: Cyclic GMP-Binding, Cyclic GMP-Specific
TITLE OF INVENTION: Phosphodiesterase Materials and Methods
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/250,847B
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/068,051
FILING DATE: 27-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: No. 5702936and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 32083
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-250-847B-10

Query Match 15.6%; Score 69; DB 1; Length 875;
Best Local Similarity 36.1%; Pred. No. 5.3;
Matches 22; Conservative 4; Mismatches 27; Indels 8; Gaps 5;

QY 17 FSIFSTEGKRPAAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKCLEPRL-WVVP 75
DB 32 FSYFVRKGTREVMNMFARV----HTIPVCKE-GIKG-HTSCS-CPLQSPRAESSVP 84

QY 76 G 76
DB 85 G 85

RESULT 9
US-08-463-949A-10
Sequence 10, Application US/08463949A
Patent No. 5955583

GENERAL INFORMATION:

APPLICANT: Beavo, Joseph A.
APPLICANT: Corbin, Jackie D.
APPLICANT: Ferguson, Kenneth M.
APPLICANT: Francis, Sharon H.
APPLICANT: Kadlecsek, Ann
APPLICANT: Loughney, Kate
APPLICANT: McAllister-Lucas, Linda M.
APPLICANT: Sonnenburg, William K.
APPLICANT: Thomas, Melissa K.
TITLE OF INVENTION: Cyclic GMP-Binding, Cyclic GMP-Specific
TITLE OF INVENTION: Phosphodiesterase Materials and Methods
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,949A
FILING DATE:
CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/068,051
FILING DATE: 27-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: No. 5955583and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 32706
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-463-949A-10

Query Match 15.6%; Score 69; DB 2; Length 875;
Best Local Similarity 36.1%; Pred. No. 5.3;
Matches 22; Conservative 4; Mismatches 27; Indels 8; Gaps 5;

QY 17 FSIFSTEGKRPAAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKCLEPRL-WVVP 75

DB 32 FSYFVRKGTREVMNMFARV----HTIPVCKE-GIKG-HTSCS-CPLQSPRAESSVP 84

QY 76 G 76
DB 85 G 85

RESULT 10
US-08-464-410A-10
Sequence 10, Application US/08464410A
Patent No. 6037119

GENERAL INFORMATION:
APPLICANT: Beavo, Joseph A.
APPLICANT: Corbin, Jackie D.
APPLICANT: Ferguson, Kenneth M.
APPLICANT: Francis, Sharon H.
APPLICANT: Kadlecsek, Ann
APPLICANT: Loughney, Kate
APPLICANT: McAllister-Lucas, Linda M.
APPLICANT: Sonnenburg, William K.
APPLICANT: Thomas, Melissa K.
TITLE OF INVENTION: Cyclic GMP-Binding, Cyclic GMP-Specific
TITLE OF INVENTION: Phosphodiesterase Materials and Methods
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,410A
FILING DATE: June 5, 1995
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: No. 6037119and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 27866/32705
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-464-410A-10

Query Match 15.6%; Score 69; DB 3; Length 875;
Best Local Similarity 36.1%; Pred. No. 5.3;
Matches 22; Conservative 4; Mismatches 27; Indels 8; Gaps 5;

QY 17 FSIFSTEGKRPAAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKCLEPRL-WVVP 75
DB 32 FSYFVRKGTREVMNMFARV----HTIPVCKE-GIKG-HTSCS-CPLQSPRAESSVP 84

QY 76 G 76
DB 85 G 85

RESULT 11
US-09-270-767-43827
Sequence 43827, Application US/09270767

Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270.767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 43827
LENGTH: 1023
TYPE: PRT
ORGANISM: *Drosophila melanogaster*
FEATURE:
OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-43827

Query Match 15.4%; Score 68; DB 4; Length 1023;
Best Local Similarity 32.3%; Pred. No. 8.6;
Matches 21; Conservative 8; Mismatches 18; Indels 18; Gaps 5;

QY 9 LLLCLLCFSTFTEGKRRPAKMSGRTRLC-----CHRVSPNSTNLKGHHVRLCKP 62
DB 866 LSCSLTVC-----SRPAD-WTPR--RVCAIGCSCRLAEXTPTVPSSRIR-CRP 913

QY 63 CKLEP 67
DB 914 XKQOP 918

RESULT 12
US-09-252-991A-23975
Sequence 23975, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252.991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 23975
LENGTH: 178
TYPE: PRT
ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-23975

Query Match 14.9%; Score 66; DB 4; Length 178;
Best Local Similarity 29.7%; Pred. No. 1.8;
Matches 22; Conservative 5; Mismatches 19; Indels 28; Gaps 4;

QY 24 GKRRPAA-----NS---GRTRLCCHRVSPNSTNLKGHHVRLCKP 62
DB 46 GPRRPVAGPRSCRAPSPGCTAGTWSVPRGRSRAKWSPSWPCRCENPFRSVRSRCP 105

QY 63 CKLEPRLWVPG 76
DB 106 SR-----WPMFG 112

RESULT 13
US-09-252-991A-25895
Sequence 25895, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252.991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 25895
LENGTH: 355
TYPE: PRT
ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-25895

Query Match 14.8%; Score 65.5; DB 4; Length 355;
Best Local Similarity 31.9%; Pred. No. 4.9;
Matches 22; Conservative 5; Mismatches 23; Indels 19; Gaps 4;

QY 26 RRPAAKSGRRTRLCCHRVSPNSTNLKGHHVRLCKP-----KLEPEPRL- 71
DB 152 QRPAGRGRRRRPVRGRGLPRPG-----GRHVGRRLQPATGNPPEGRPAGRLRPDPHL 207

QY 72 -WVPGALP 79
DB 208 RRAPEGAP 216

RESULT 14
US-09-252-991A-30780
Sequence 30780, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252.991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 30780
LENGTH: 595
TYPE: PRT
ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-30780

Query Match 14.7%; Score 65; DB 4; Length 595;
Best Local Similarity 28.3%; Pred. No. 11;
Matches 15; Conservative 6; Mismatches 18; Indels 14; Gaps 2;

QY 25 KRPAAKSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLWVPGA 77
DB 199 RRRPGRW-----RLPEGAVRRRHHHHPDPA-----SARWPPGA 237

RESULT 15
US-09-489-039A-12849
Sequence 12849, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489.039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 12849

FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252.991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 25895
LENGTH: 355
TYPE: PRT
ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-25895

Query Match 14.8%; Score 65.5; DB 4; Length 355;
Best Local Similarity 31.9%; Pred. No. 4.9;
Matches 22; Conservative 5; Mismatches 23; Indels 19; Gaps 4;

QY 26 RRPAAKSGRRTRLCCHRVSPNSTNLKGHHVRLCKP-----KLEPEPRL- 71
DB 152 QRPAGRGRRRRPVRGRGLPRPG-----GRHVGRRLQPATGNPPEGRPAGRLRPDPHL 207

QY 72 -WVPGALP 79
DB 208 RRAPEGAP 216

RESULT 14
US-09-252-991A-30780
Sequence 30780, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252.991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 30780
LENGTH: 595
TYPE: PRT
ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-30780

Query Match 14.7%; Score 65; DB 4; Length 595;
Best Local Similarity 28.3%; Pred. No. 11;
Matches 15; Conservative 6; Mismatches 18; Indels 14; Gaps 2;

QY 25 KRPAAKSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLWVPGA 77
DB 199 RRRPGRW-----RLPEGAVRRRHHHHPDPA-----SARWPPGA 237

RESULT 15
US-09-489-039A-12849
Sequence 12849, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489.039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 12849

LENGTH: 248
TYPE: PRT
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12849

Query Match 14.6%; Score 64.5; DB 4; Length 248;
Best Local Similarity 33.3%; Pred. No. 4.2;
Matches 27; Conservative 13; Mismatches 26; Indels 15; Gaps 7;
QY 4 LVTSLLCTLL-CFSIFSTEGKRRPAK-----AWSGR-RTRLCCHRVSPNSTNLKHH 56
Db 140 LVTSMLDGLLDVVALFLAARKKNGKETLLVWGSNEDRTRLWLEAW---RLSQRGWH 195
QY 57 VR-LCKPKCKLEPPRLWVPG 76
Db 196 VNVLAEPLE-SRPPELF--PG 213

Search completed: May 3, 2005, 21:01:50
Job time : 29.5435 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 3, 2005, 20:46:27 ; Search time 14.4565 Seconds

(without alignments)
294.331 Million cell updates/sec

Title: US-09-724-000A-6

Perfect score: 326

Sequence: 1 KRPAKWSGRRTLCCHRV.....PCKLEPPRLWVPGALPOV 57

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*

2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	326	100.0	81	4 US-09-800-729-96	Sequence 96, Appl
2	326	100.0	109	4 US-09-800-729-184	Sequence 184, App
3	65.5	20.1	355	4 US-09-252-991A-25895	Sequence 25895, A
4	65	19.9	595	4 US-09-252-991A-30780	Sequence 30780, A
5	64.5	19.8	489	4 US-09-252-991A-18577	Sequence 18577, A
6	61.5	18.9	192	4 US-09-252-991A-19447	Sequence 19447, A
7	61	18.7	178	4 US-09-252-991A-23975	Sequence 23975, A
8	60	18.4	273	4 US-09-252-991A-23651	Sequence 23651, A
9	60	18.4	425	4 US-09-252-991A-19692	Sequence 19692, A
10	60	18.4	1023	4 US-09-270-767-43827	Sequence 43827, A
11	59.5	18.3	147	4 US-09-252-991A-20644	Sequence 20644, A
12	59.5	18.3	256	4 US-09-252-991A-23974	Sequence 23974, A
13	59.5	18.3	422	4 US-09-949-016-8167	Sequence 8167, Ap
14	59	18.1	138	4 US-09-252-991A-20292	Sequence 20292, A
15	59	18.1	365	3 US-09-113-109-2	Sequence 2, Appli
16	59	18.1	365	3 US-09-521-109-2	Sequence 2, Appli
17	59	18.1	365	3 US-09-562-332-2	Sequence 2, Appli
18	59	18.1	365	3 US-09-949-016-6436	Sequence 6436, Ap
19	59	18.1	436	4 US-09-949-016-7912	Sequence 7912, Ap
20	59	18.1	572	4 US-09-252-991A-23996	Sequence 23996, A
21	58.5	17.9	212	4 US-09-252-991A-17649	Sequence 17649, A
22	58.5	17.9	607	4 US-08-556-422A-4	Sequence 4, Appli
23	58	17.8	89	4 US-09-252-991A-22243	Sequence 22243, A
24	58	17.8	206	4 US-09-949-016-10713	Sequence 10713, A
25	58	17.8	303	4 US-09-252-991A-22757	Sequence 22757, A
26	58	17.8	380	4 US-09-667-135-26	Sequence 26, Appl
27	58	17.8	489	4 US-09-667-135-30	Sequence 30, Appl

28	57.5	17.6	248	4 US-09-252-991A-29367	Sequence 29367, A
29	57	17.5	205	4 US-09-252-991A-31167	Sequence 31167, A
30	57	17.5	379	4 US-09-667-135-24	Sequence 24, Appl
31	57	17.5	393	2 US-08-467-948A-4	Sequence 4, Appli
32	57	17.5	393	3 US-08-467-947A-4	Sequence 4, Appli
33	57	17.5	742	4 US-09-252-991A-29239	Sequence 29239, A
34	57	17.5	763	2 US-08-742-753-4	Sequence 4, Appli
35	57	17.5	763	4 US-09-949-016-7023	Sequence 7023, Ap
36	57	17.5	768	4 US-09-949-016-8429	Sequence 8429, Ap
37	56.5	17.3	127	3 US-08-467-023-190	Sequence 190, App
38	56.5	17.3	163	4 US-09-489-847-190	Sequence 190, App
39	56.5	17.3	181	4 US-09-489-847-337	Sequence 337, App
40	56.5	17.3	194	4 US-09-252-991A-27085	Sequence 27085, A
41	56.5	17.3	236	2 US-08-494-907-8	Sequence 8, Appli
42	56.5	17.3	236	5 PCT-US96-10986-8	Sequence 8, Appli
43	56.5	17.3	362	4 US-09-252-991A-31016	Sequence 31016, A
44	56.5	17.3	514	3 US-08-467-023-134	Sequence 134, App
45	56.5	17.3	758	2 US-08-874-678-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-800-729-96
; Sequence 96, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044PI
; CURRENT APPLICATION NUMBER: US/09/800,729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 96
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-96
Query Match 100.0%; Score 326; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 8e-36;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 KRPAKWSGRRTLCCHRVSPNSTLKGHHVRLCKPCKLEPPRLWVPGALPOV 57
Db 25 KRPAKWSGRRTLCCHRVSPNSTLKGHHVRLCKPCKLEPPRLWVPGALPOV 81
RESULT 2
US-09-800-729-184
; Sequence 184, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044PI
; CURRENT APPLICATION NUMBER: US/09/800,729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 184
; LENGTH: 109
; TYPE: PRT

ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (3)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-800-729-184

Query Match 100.0%; Score 326; DB 4; Length 109;
Best Local Similarity 100.0%; Pred. No. 1.1e-35;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPPAKMSGRRRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPLWVPGALPGV 57
DB 53 KRPPAKMSGRRRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPLWVPGALPGV 109

RESULT 3
US-09-252-991A-25895
Sequence 25895, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 25895
LENGTH: 355
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-25895

Query Match 20.1%; Score 65.5; DB 4; Length 355;
Best Local Similarity 31.9%; Pred. No. 1.6;
Matches 22; Conservative 5; Mismatches 23; Indels 19; Gaps 4;
QY 2 RRPAAKSGRRRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPLWVPGALPGV 47
DB 152 GRPAAGMRGRRRPVRRGPRFG-----GRHVGRRLQDPATGNPGRGPRGRRLRPPDPLP 207

QY 48 -WVPGALP 55
DB 208 RRAPGAAP 216

RESULT 4
US-09-252-991A-30780
Sequence 30780, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 30780
LENGTH: 595
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30780

Query Match 19.9%; Score 65; DB 4; Length 595;
Best Local Similarity 28.3%; Pred. No. 3.4;
Matches 15; Conservative 6; Mismatches 18; Indels 14; Gaps 2;

QY 1 KRPPAKMSGRRRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPLWVPGALPGV 53
DB 199 RRRPGRRW-----RLPEPGAVRRRRGHHPDPPAR---SARWPDGA 237

RESULT 5
US-09-252-991A-18577
Sequence 18577, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 18577
LENGTH: 489
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18577

Query Match 19.8%; Score 64.5; DB 4; Length 489;
Best Local Similarity 26.9%; Pred. No. 3.2;
Matches 29; Conservative 1; Mismatches 21; Indels 57; Gaps 4;
QY 2 RRPAAKSGRRRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPLWVPGALPGV 31
DB 215 RRPAGVSHAVPLRRAADLPGRRDHLDVHRDHDPGNGHPRGRDRHRGRLAAPGQR 274

QY 32 -----HV-----RLCKPCKLEPEPLWVPGALPGV 52
DB 275 PARGLVHAGADLRLHPERLRLPERRSGGDDQDEPLRGRHRWVPG 322

RESULT 6
US-09-252-991A-19447
Sequence 19447, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 19447
LENGTH: 192
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19447

Query Match 18.9%; Score 61.5; DB 4; Length 192;
Best Local Similarity 30.8%; Pred. No. 2.6;
Matches 20; Conservative 10; Mismatches 16; Indels 19; Gaps 3;

QY 1 KRPPAKA-----WGRTRRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPLWVPGALPGV 51
DB 66 RRRPLRAGPAPGRTRRR-----AATLAGYRLRGLLQRPARRSPGRRRGLRP 115

OY 52 GALPO 56
Db 116 GYLPR 120

RESULT 7
US-09-252-991A-23975
; Sequence 23975, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23975
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23975

Query Match 18.4%; Score 61; DB 4; Length 178;
Best Local Similarity 29.2%; Pred. No. 2.8;
Matches 21; Conservative 5; Mismatches 18; Indels 28; Gaps 4;

OY 2 RRAKAK-----WS---GRRRLCCHRVPS-PNSTLKGHHVRLCKPCCK 40
Db 48 RREVPAPRSCRAVPSGTAGTDMVSRGRSRARCRWSPWCENPRPRVRSRPSR 107
OY 41 LBEPEPLWVVG 52
Db 108 -----WPMVG 112

RESULT 8
US-09-252-991A-23651
; Sequence 23651, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23651
; LENGTH: 273
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23651

Query Match 18.4%; Score 60; DB 4; Length 273;
Best Local Similarity 30.8%; Pred. No. 6.3;
Matches 20; Conservative 2; Mismatches 33; Indels 10; Gaps 2;

OY 1 KRPAPKMSGRRL-----CCHR-----VSPNSTLKGHHVRLCKPCCKLBEPEPLWV 50
Db 156 RRPAPRGRRRRTTRAKCCSRVSVAPPSASPCRCWRSRSGSGRRPRPTAAT 215
OY 51 PGALP 55

Db 216 PSTAP 220

RESULT 9
US-09-252-991A-19692
; Sequence 19692, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19692
; LENGTH: 425
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19692

Query Match 18.4%; Score 60; DB 4; Length 425;
Best Local Similarity 32.2%; Pred. No. 11;
Matches 19; Conservative 3; Mismatches 27; Indels 10; Gaps 2;

OY 3 RPAKMSGR-----RTRLCHRVSPNSTNLKGHHVRLCKPCCKLBEPEPLWVPGALP 55
Db 260 RRGARPRGRCAGVADPRTASHRRPERSAARAARI-----PCRRPGGRRVAPGRDP 314

RESULT 10
US-09-270-767-43827
; Sequence 43827, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43827
; LENGTH: 1023
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-43827

Query Match 18.4%; Score 60; DB 4; Length 1023;
Best Local Similarity 35.4%; Pred. No. 30;
Matches 17; Conservative 7; Mismatches 14; Indels 10; Gaps 4;

OY 2 RRPAPKMSGRRLC-----CHRVSPNSTNLKGHHVRLCKPCCKLEP 43
Db 875 RRPAD-WTRP--RVCAIGCGSCRLASXTPTRVPSRRIR-CRXKSGP 918

RESULT 11
US-09-252-991A-20644
; Sequence 20644, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A

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/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 20644
/ LENGTH: 147
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20644

Query Match          18.3%; Score 59.5; DB 4; Length 147;
Best Local Similarity 29.6%; Pred. No. 3.5;
Matches 21; Conservative 5; Mismatches 26; Indels 19; Gaps 4;

QY 2 RRPAAK-----WS-----GRTTLCCHRVSPNSTLKGHHVRL-----CKPKLEPP 45
DB 3 RRPSPAMSRRCWMSRDSGSRKDSRCCAMTPARSPCRASHRSRSPVAPCRCTCATGSVA 62
QY 46 RLW---VVPGA 53
DB 63 RTWRGSAVPCA 73

RESULT 12
US-09-252-991A-23974
/ Sequence 23974, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 23974
/ LENGTH: 256
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23974

Query Match          18.3%; Score 59.5; DB 4; Length 256;
Best Local Similarity 35.3%; Pred. No. 6.8;
Matches 18; Conservative 3; Mismatches 19; Indels 11; Gaps 4;

QY 3 RPAKA-MSGRRTRLCHRVSPNSTLKGHHVRLCKPK-----LEPEPR 46
DB 11 RPAASMASTCTKTCTC-GTPSP--AICMSRPATCAPCRNCATPTSPRPR 57

RESULT 13
US-09-949-016-8167
/ Sequence 8167, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
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/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 8167
/ LENGTH: 422
/ TYPE: PRT
/ ORGANISM: Human
US-09-949-016-8167

Query Match          18.3%; Score 59.5; DB 4; Length 422;
Best Local Similarity 32.2%; Pred. No. 12;
Matches 19; Conservative 6; Mismatches 23; Indels 11; Gaps 4;

QY 3 RPAKMSGRRTRLCKPK-----CHRVSPNS-TNLKGHHVRLCKPKLEPEPRLWVPGALP 55
DB 4 RRRRRWGIRKPLATCAAPRCAVPPDPCLCGRASPRLCRCR---RRRL--LGAEP 57

RESULT 14
US-09-252-991A-20292
/ Sequence 20292, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 20292
/ LENGTH: 138
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20292

Query Match          18.1%; Score 59; DB 4; Length 138;
Best Local Similarity 52.0%; Pred. No. 3.8;
Matches 13; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 2 RRPAAMSGRRTRLCHRVSPNST 26
DB 11 RRPAPATAARSGRSHSPSPGRT 135

RESULT 15
US-09-113-309-2
/ Sequence 2, Application US/09113309A
/ Patent No. 6110738
/ GENERAL INFORMATION:
/ APPLICANT: Zhou, Shilin
/ APPLICANT: Zewel, Leigh
/ APPLICANT: Vogelstein, Bert
/ APPLICANT: Kinzler, Kenneth
/ TITLE OF INVENTION: Human Faec-1 Gene
/ FILE REFERENCE: 01107.10898
/ CURRENT APPLICATION NUMBER: US/09/113,309A
/ CURRENT FILING DATE: 1998-07-10
/ NUMBER OF SEQ ID NOS: 19
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 2
/ LENGTH: 365
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-113-309-2

Query Match          18.1%; Score 59; DB 3; Length 365;
Best Local Similarity 35.4%; Pred. No. 12;
Matches 17; Conservative 3; Mismatches 14; Indels 14; Gaps 3;
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Qy 15 LCCHRVSPNSTNLKGHVR--LCKPCKLEBPRLW-----VDPG 52
Db 219 LC-----PLPGPTRVGEETVQGAIGPSTLSPEPRAMPRLHLQGTAVPG 262

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QY 129 GCAGAGAAACAGGCTCTGTCGACCGAGTCCCTAGCCCACTCAACAACTGAAG 188
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Db 171 GCGAGGAACCAAGCTCTGTCGACCGAGTCCCTAGCCCACTCAACAACTGAAG 230
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QY 189 GACATCATGAGGCTCTGTAACCAATGCAAGCTTGAAGCCCGCTTTGGGTG 248
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Db 231 GACATCATGAGGCTCTGTAACCAATGCAAGCTTGAAGCCCGCTTTGGGTG 290
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QY 249 TGGCTGGGGCACTCCCAAGGTGTAGACTCCCAAGCAAGACTCAAGACGGGAAC 308
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Db 291 TGGCTGGGGCACTCCCAAGGTGTAGACTCCCAAGCAAGACTCAAGACGGGAAC 350
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QY 309 CTGATGCTGGGCACTGAGGTATCCCAAGGCTCTGTCGCTTCCGCTTCAAGC 368
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Db 351 CTGATGCTGGGCACTGAGGTATCCCAAGGCTCTGTCGCTTCCGCTTCAAGC 410
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QY 369 AGTGAAGCTGCAATGTTGAGGGCTTCACTCGGGCTGCAAGAACCTGGGAAAGTTCCAG 428
| | | | |
Db 411 AGTGAAGCTGCAATGTTGAGGGCTTCACTCGGGCTGCAAGAACCTGGGAAAGTTCCAG 470
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QY 429 AACTCAAGTCTTGTCTCAATTGTGCAATCACTTCAAGGCTATCATAGGCAACTTC 488
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Db 471 AACTCAAGTCTTGTCTCAATTGTGCAATCACTTCAAGGCTATCATAGGCAACTTC 530
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QY 489 ACCCAAGGGGCTCTGAGTGGCCACCAATGAGGCTCTGCAAGTCAAAACCAAGGACTTC 548
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Db 531 ACCCAAGGGGCTCTGAGTGGCCACCAATGAGGCTCTGCAAGTCAAAACCAAGGACTTC 590
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QY 549 CACCATGACCGGTCACAGCTACAAATCCAGAGACCAATCACTGCTAGAGTGCAGAGTTC 608
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QY 609 GCAGACACCAAGGCTGCTGACCAAGACTGCGAGTCTCTCAATCTTCAAGTCCATTC 668
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QY 669 AGGCTCTGGCACTTTAATCTACAGACTCCAGTCCAGTCCCAAGGAAATCCCTCTAGCCTC 728
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Db 711 AGGCTCTGGCACTTTAATCTACAGACTCCAGTCCAGTCCCAAGGAAATCCCTCTAGCCTC 770
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QY 729 CTGACATGAGTCTCTGGAAGAGCATCCAAACAAAGTAATAATAATAATAAAC 788
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Db 771 CTGACATGAGTCTCTGGAAGAGCATCCAAACAAAGTAATAATAATAATAAAC 830
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QY 789 TCATGCAAGACCAAAAA 806
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Db 831 TCATGCAAGACCAAAAA 848
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RESULT 2
US-09-800-729-25
; Sequence 25, Application US/09800729
; Patent No. US20020068319A1
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 908
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (7)

OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (891)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (896)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-800-729-25
Query Match 97.7%; Score 787.4; DB 9; Length 908;
Best Local Similarity 99.0%; Pred. No. 1.6e-248;
Matches 791; Conservative 1; Mismatches 7; Indels 0; Gaps 0;
QY 8 GGGAAAAATGTCCTTCTGACCATGAGGCTTCAATCTTTCAGAGCTGCTGTAATCCG 67
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Db 64 GTGAAAAATGTCCTTCTGACCATGAGGCTTCAATCTTTCAGAGCTGCTGTAATCCG 123
| | | | |
QY 68 CTTCTCTGCTTCTCCATCTTCTCCAGAGGGAAGAGGCGTCTGCCAAGGCTGTGCA 127
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Db 124 CTTCTCTGCTTCTCCATCTTCTCCAGAGGGAAGAGGCGTCTGCCAAGGCTGTGCA 183
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QY 128 GCGAGGAACCAAGGCTGTGTCGCCACGAGTCTCTAGCCCACTCAACAACTGAAA 187
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Db 184 GCGAGGAACCAAGGCTGTGTCGCCACGAGTCTCTAGCCCACTCAACAACTGAAA 243
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QY 188 GGAATCATGATGAGGCTGTGTAACCATGCAAGTTGAGCCAGAGCCCGCTTTGGGTG 247
| | | | |
Db 244 GGAATCATGATGAGGCTGTGTAACCATGCAAGTTGAGCCAGAGCCCGCTTTGGGTG 303
| | | | |
QY 248 GTGCTGGGGCACTCCCAAGGTGAGCACTCCAAAGCAAGTCTCAAGACGCGAGAA 307
| | | | |
Db 304 GTGCTGGGGCACTCCCAAGGTGAGCACTCCAAAGCAAGTCTCAAGACGCGAGAA 363
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QY 308 CTTATGCTGGCACTTGAAGTACCAGAGGCTCTGTCTCCCTTTCAAGCTTCAAG 367
| | | | |
Db 364 CTTATGCTGGCACTTGAAGTACCAGAGGCTCTGTCTCCCTTTCAAGCTTCAAG 423
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QY 368 CAGTGAAGTCAATGTTGGAAGGCTTCAATCTCGGGCTGCAAGAACCTGGAAGTTCCA 427
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Db 424 CAGTGAAGTCAATGTTGGAAGGCTTCAATCTCGGGCTGCAAGAACCTGGAAGTTCCA 483
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QY 428 GAATCTCAAGTCTTGTCTCAATTGTGCAATCACTTCAAGCTATCAAGCCAACT 487
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Db 484 GAATCTCAAGTCTTGTCTCAATTGTGCAATCACTTCAAGCTATCAAGCCAACT 543
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QY 488 CACCCCAAGGGCTCTGAGTCCGACCAATGTGGGCTCTTCAAGTGCACCAACCGAGACT 547
| | | | |
Db 544 CACCCCAAGGGCTCTGAGTCCGACCAATGTGGGCTCTTCAAGTGCACCAACCGAGACT 603
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QY 548 CCACCATGACCGGTCACAGCTCAATATCCAGAGCAATCAATCTGCTAGAGTCAAGGT 607
| | | | |
Db 604 CCACCATGACCGGTCACAGCTCAATATCCAGAGCAATCAATCTGCTAGAGTCAAGGT 663
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QY 608 GCGAAGCAACCAAGGCTGCTGACCAAGCTGCAAGTCTCTCAATCTTCAAGTCAAT 667
| | | | |
Db 664 GCGAAGCAACCAAGGCTGCTGACCAAGCTGCAAGTCTCTCAATCTTCAAGTCAAT 723
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QY 668 CAGCTCTCGGCAATTAATCAACAGATTCAGTGTGCTCCCAAGGAATCCCTTCTAGCCT 727
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Db 724 CAGCTCTCGGCAATTAATCAACAGATTCAGTGTGCTCCCAAGGAATCCCTTCTAGCCT 783
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QY 728 CCTGACATGATCTGCTGGAAGAGCATCCAAACAAAGTAATAATAATAATAA 787
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Db 784 CCTGACATGATCTGCTGGAAGAGCATCCAAACAAAGTAATAATAATAATAA 843
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QY 788 CTCAATGCAAGACCAAAAA 806
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Db 844 CTCAATGCAAGACCAAAAA 862
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RESULT 3
US-09-981-353-177
; Sequence 177, Application US/09981353

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OM nucleic - nucleic search, using sw model

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Post-processing: Minimum Match 0%
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and is derived by analysis of the total score distribution.

SUMMARIES

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1	787.4	97.7	908	US-09-800-729-25	Sequence 25, Ap1
2	36.4	4.5	505	US-09-621-976-15639	Sequence 15639, A
3	36.2	4.5	61847	US-09-949-016-16677	Sequence 16677, A
4	35.8	4.5	12488	US-09-949-016-13710	Sequence 13710, A
5	35.4	4.4	130724	US-09-949-016-13753	Sequence 13753, A
6	35.4	4.4	729	US-09-535-008-35	Sequence 35, Ap1
7	35.4	4.4	72843	US-09-949-016-12574	Sequence 12574, A
8	35.4	4.4	81927	US-09-949-016-15623	Sequence 15623, A
9	34	4.2	76962	US-09-949-016-17482	Sequence 17482, A
10	33.8	4.2	601	US-09-949-016-111615	Sequence 111615, A
11	33.8	4.2	601	US-09-949-016-111616	Sequence 111616, A
12	33.8	4.2	601	US-09-949-016-111763	Sequence 111763, A
13	33.8	4.2	601	US-09-949-016-111764	Sequence 111764, A
14	33.8	4.2	601	US-09-949-016-111910	Sequence 111910, A
15	33.8	4.2	601	US-09-949-016-111910	Sequence 111910, A
16	33.8	4.2	601	US-09-949-016-112054	Sequence 112054, A
17	33.8	4.2	601	US-09-949-016-112055	Sequence 112055, A
18	33.8	4.2	1461	US-09-252-991A-4066	Sequence 4066, Ap
19	33.8	4.2	1509	US-09-252-991A-4080	Sequence 4080, Ap
20	33.8	4.2	2775	US-09-252-991A-4126	Sequence 4126, Ap
21	33.8	4.2	113876	US-09-949-016-14828	Sequence 14828, A
22	33.8	4.2	113876	US-09-949-016-14829	Sequence 14829, A
23	33.8	4.2	113808	US-09-949-016-111800	Sequence 11800, A
24	33.8	4.2	115508	US-09-949-016-14826	Sequence 14826, A
25	33.8	4.2	115508	US-09-949-016-14827	Sequence 14827, A
26	33.6	4.2	13571	US-09-949-016-16244	Sequence 16244, A
27	33.4	4.1	601	US-09-949-016-46366	Sequence 46366, A

C 28	33.4	4.1	1164	US-09-270-767-12184	Sequence 12184, A
C 29	33.4	4.1	10281	US-09-949-016-15812	Sequence 15812, A
C 30	33.4	4.1	57559	US-09-949-016-13077	Sequence 13077, A
C 31	33.4	4.1	57560	US-09-949-016-12536	Sequence 12536, A
C 32	33.2	4.1	832	US-09-621-976-2813	Sequence 2813, Ap
C 33	33.2	4.1	10887	US-09-949-016-13756	Sequence 13756, A
C 34	33.2	4.1	70308	US-09-949-016-15601	Sequence 15601, A
C 35	33.2	4.1	91665	US-09-949-016-12234	Sequence 12234, A
C 36	33	4.1	601	US-09-949-016-46364	Sequence 46364, A
C 37	33	4.1	601	US-09-949-016-46365	Sequence 46365, A
C 38	33	4.1	601	US-09-949-016-53273	Sequence 53273, A
C 39	32.8	4.1	505	US-09-621-976-15639	Sequence 15639, A
C 40	32.8	4.1	601	US-09-949-016-56608	Sequence 56608, A
C 41	32.8	4.1	601	US-09-949-016-69379	Sequence 69379, A
C 42	32.8	4.1	601	US-09-949-016-69381	Sequence 69381, A
C 43	32.8	4.1	49399	US-09-949-016-13780	Sequence 13780, A
C 44	32.8	4.1	50217	US-09-949-016-16067	Sequence 16067, A
C 45	32.8	4.1	636591	US-09-949-016-11808	Sequence 11808, A

ALIGNMENTS

RESULT 1
US-09-800-729-25
; Sequence 25, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044Pl
; CURRENT APPLICATION NUMBER: US/09/800,729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ. ID NOS: 217
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 25
; LENGTH: 908
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (7)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (891)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (896)
; OTHER INFORMATION: n equals a,t,g, or c
; US-09-800-729-25

Query Match 97.7%; Score 787.4; DB 4; Length 908;
Best Local Similarity 99.0%; Pred. No. 1.1e-249;
Matches 791; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

Qy	8	GGGAAATCTGACCTTCACCATGAGGCTCTGATCTTCAGGCTGCTGATCTCTG	67
Db	64	GTAATAATCTGCTTCACCATGAGGCTCTGATCTTCAGGCTGCTGATCTCTG	123
Qy	68	CTTCTGCTTCATCTTCACGAGGAGGCTCTGCAAGGCTGCTGCAAGGCTGCTCA	127
Db	124	CTTCTGCTTCATCTTCACGAGGAGGCTCTGCAAGGCTGCTGCAAGGCTGCTCA	183
Qy	128	GGGAGGAGGAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	187
Db	184	GGGAGGAGGAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	243
Qy	188	GGGAGGAGGAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	247

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Db 244 GGACATCATGTGAGCTCTGTAAACCATGCAAGCTTGAGCCAGAGCCCGCTTTGGGTG 303
QY 248 GTGGCTGGGGGACTCCACAGGTGTAGCACTCCCAAGGAAGCTCCAGACAGCGGAGAA 307
Db 304 GTGGCTGGGGGACTCCACAGGTGTAGCACTCCCAAGGAAGCTCCAGACAGCGGAGAA 363
QY 308 CCTCATGCTGGGACCTGAGGTAGCCAGAGAGCTCTGCTGCTCCCTTTGAGCTTCACAG 367
Db 364 CCTCATGCTGGGACCTGAGGTAGCCAGAGAGCTCTGCTGCTCCCTTTGAGCTTCACAG 423
QY 368 CAGTGAAGCTGCAATGTTGAGAGGCTTCATCTCGGGCTGCAAGAGACCTTGGAAAGTTCCA 427
Db 424 CAGTGAAGCTGCAATGTTGAGAGGCTTCATCTCGGGCTGCAAGAGACCTTGGAAAGTTCCA 483
QY 428 GAACCTCAGGTCCTTGTCTCAATGTGTCATCACTTCAAGAGCTATCAATGAGCCAACT 487
Db 484 GAACCTCAGGTCCTTGTCTCAATGTGTCATCACTTCAAGAGCTATCAATGAGCCAACT 543
QY 488 CAACCCCAAGGGCTCAGTCCGACCATGTGGCTCTTCAGTGAACCAACCGAGACAT 547
Db 544 CAACCCCAAGGGCTCAGTCCGACCATGTGGCTCTTCAGTGAACCAACCGAGACAT 603
QY 548 CCACCATGACCGGTGACAGTCAATTCAGAGACATCAATCTGCTAGAGTCAAGGT 607
Db 604 CCACCATGACCGGTGACAGTCAATTCAGAGACATCAATCTGCTAGAGTCAAGGT 663
QY 608 GGCACACACCAAGGGTGGCTGACCAAGCTGAGAGTCCCTTCATTCAGGTCAAT 667
Db 664 GGCACACACCAAGGGTGGCTGACCAAGCTGAGAGTCCCTTCATTCAGGTCAAT 723
QY 668 CAGCCTCTGGGATTTAATCAACAGATCCAGTGTCCCAAGGAATCCCTTCTAGCCT 727
Db 724 CAGCCTCTGGGATTTAATCAACAGATCCAGTGTCCCAAGGAATCCCTTCTAGCCT 783
QY 728 CCGACATGAGTGTCTGGAAGAGCATCCAAACAAAGTAATTAATTAATTA 787
Db 784 CCGACATGAGTGTCTGGAAGAGCATCCAAACAAAGTAATTAATTAATTA 843
QY 788 CTCATGACGACACAAAA 806
Db 844 CTCATGACGACACAAAA 862
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RESULT 2
US-09-621-976-15639/c

```
; Sequence 15639, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; NUMBER OF SEQ ID NOS: 2000-07-21
; SOFTWARE: Patent.pm
; SEQ ID NO 15639
; LENGTH: 505
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-15639
```

Query Match 4.5%; Score 36.4; DB 4; Length 505;

Best Local Similarity 10.9%; Pred. No. 0.21; Mismatches 137; Indels 1; Gaps 1;

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Matches 36; Conservative 156; Mismatches 137; Indels 1; Gaps 1;
QY 7 AGGAAATATCTGCTTCCACCATGAGCTTCTAGCTTTCAGGCTGCTGTATCT 66
Db 375 WGRGMAAAARRMAAGSYCGTSTYSGSKMTGRKGMTTKRRMTTYSGMTTSTYKCTK 316
QY 67 GCTTCTCTCTTCTTCATCTTTCACAGAGGAGAGAGGCTGCTGCAAGGCTGCTGTC 126
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Db 315 TGKATYTWKSKKTRWTCTSWRKYMMMSGCWARSNKSWSARSWYSMAACWMSASAYRAR 256
QY 127 AGCAGAGAAACAGAGCTCTGCTGCCAGGATCCCTTAGGCCCACTCAACAACTGAA 186
Db 225 RSMYARRSRMSMAGAMPARGRKARSKSWSMSKSSMSISGKAMCRMMMSCKR 196
QY 187 AGACATCATGTGAGGCTCTGTAAACATGCAAGCTTGAGCCAGAGAGCCCGCTTTGGGT 246
Db 195 MYSYCMGS-KCMSCGTGAKMRVARYAKRYASSKGYTMGCRKCYAKCARYGYRSR 137
QY 247 GGTGCTTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGACTCCAGACAGCGAGA 306
Db 136 RSTGSRKMYRRRKYMYMMKYMMSWCMYRMGAAMYGSARAYRMYASMSACKMSRMK 77
QY 307 ACCATGCTGCGGACCTGAGGTACCCAGC 336
Db 76 NMWSMMRPMRSMRSMRYRSMWSGKMYSCGY 47
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RESULT 3
US-09-949-016-16677/c

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; Sequence 16677, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16677
; LENGTH: 61847
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16677
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Query Match 4.5%; Score 36.2; DB 4; Length 61847;

Best Local Similarity 48.7%; Pred. No. 6; Mismatches 133; Indels 4; Gaps 1;

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Matches 130; Conservative 0; Mismatches 133; Indels 4; Gaps 1;
QY 516 GTGGGCTCTCCAGTGCAAAACCAAGCATTCACATGACCGGTGACAGCTACAAATC 575
Db 22614 GTGGGACCATTAATAAGTCCAACTGAGCCAGAGGCTTTCTCAGCAGACAGGTAGAAAC 22555
QY 576 CAGAGACATCAATCTGCTGAGTGACAGGTGGGCAAGACCAAGGTGCTGACCAAG 635
Db 22554 AAATGGCCAAAGATGATCCACAGTAGAGGCTGACAAAGGTGCTCCCTTAATCGCAG 22495
QY 636 ACTGAGAGTCTCCCTCCATCTTCAAGTCCATTCAGCC-----TCCGGAATTAATCAACA 691
Db 22494 ACTGAGAGTCTCCCTCCATCTTCAAGTCCATTCAGTCCATTCAGTCCATTCATTCCT 22435
QY 692 GCATCAGTGTGCTCCCAAGGAATCCCTTCTAGCTTCCAGCATGATGCTGTGAGAA 751
Db 22434 GGATGCTTCTCTTACGAGGCTGTGCTTCTGAGGCTTTTGAAGTATTGGGTCCTGAGC 22375
QY 752 GCATCAGTGTGCTCCCAAGGAATTAATTAATTA 778
Db 22374 AAAGCCAACTAATCAACCCCTGAGTAA 22348
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RESULT 4
US-09-949-016-13710

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; Sequence 13710, Application US/09949016
; Patent No. 6812339
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 3, 2005, 17:19:15 ; Search time 3385 Seconds
(without alignments)
9063.457 Million cell updates/sec

Title: US-09-724-000A-4

Perfect score: 806
Sequence: 1 ggaacgagggagaaatctgc.....actcaatgcagacacaaaaa 806

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database :

EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_est3:*
4: gb_est4:*
5: gb_est5:*
6: gb_est6:*
7: gb_est7:*
8: gb_est8:*
9: gb_est9:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysts of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	723	89.7	724	5	EX111944
2	714.8	88.7	727	7	CK299548
3	593.4	73.6	906	2	BE899580
4	545.8	67.7	557	5	BQ189412
5	488.8	60.6	503	1	AA422178
6	477.2	59.2	489	7	CR742150
7	475	58.9	517	2	AM854263
8	460.8	57.2	467	1	AI831407
9	460.6	57.1	476	2	AM134688
10	460	56.5	460	2	BF001316
11	455.2	56.5	460	2	BF001316
12	451.8	55.1	455	1	AI832391
13	451.8	56.1	467	1	AI304380
14	450	55.8	453	2	AM516596
15	447.4	55.5	450	1	AI948903
16	442.4	54.9	444	1	AI833297
17	436.2	54.1	441	1	AA587764
18	428.4	53.2	430	1	AI283185
19	426.8	53.0	431	1	AI832498
20	426.4	52.9	429	1	AI813445
21	423.6	52.6	487	1	AA553959
22	419.8	52.1	423	1	AI336470
23	418.4	51.9	420	1	AA938765
24	413.2	51.3	429	1	AA857922

25	410	50.9	543	2	AM970357	AM970357	EST382438
26	406	50.4	413	1	AI339648	AI339648	qk63a12.x
27	403.8	50.1	416	2	AM206923	AM206923	UI-H-B11-
28	403	50.0	466	2	AM351500	AM351500	QV2-CT026
29	402	49.9	427	2	AM361458	AM361458	QV2-CT026
30	391	48.5	484	2	AM970275	AM970275	EST382356
31	389	48.3	405	1	AI833021	AI833021	at74c12.x
32	388.4	48.2	415	2	AM361502	AM361502	QV2-CT026
33	382.4	47.0	384	1	AI336626	AI336626	q662d09.x
34	378.6	47.0	385	2	AM591238	AM591238	x014a06.x
35	377.8	46.9	381	1	AI732376	AI732376	HE80F04.x
36	377.8	46.9	382	1	AI732377	AI732377	HE96009.x
37	377.2	46.8	394	1	AI744428	AI744428	HE96003.x
38	376.2	46.7	381	1	AA534511	AA534511	HE80F04.x
39	372.6	46.2	381	1	AI285352	AI285352	q138g09.x
40	354.8	44.0	400	1	AI864896	AI864896	w166d04.x
41	347	43.1	357	1	AI766378	AI766378	w161c01.x
42	347	43.1	366	1	AA422086	AA422086	zv31g06.x
43	330	40.9	311	1	AI246768	AI246768	qk40f07.x
44	327.6	40.6	342	1	AI833288	AI833288	at61d09.x
45	324.2	40.2	399	1	AA283751	AA283751	zt19g05.r

ALIGNMENTS

RESULT 1
EX111944
LOCUS
DEFINITION
EX111944 Soares ovary tumor NBHOT Homo sapiens CDNA clone
IMAGG998L091748 ; IMAGE:713624, mRNA sequence.

ACCESSION
EX111944
VERSION
EX111944.1
KEYWORDS
EST.
SOURCE
Homo sapiens (human)

ORGANISM
Homo sapiens

REFERENCE
AUTHORS
Edert, L., Heil, O., Hennig, S., Neubert, P., Patsch, E., Peters, M.,
Radelof, U., Schneider, D. and Korn, B.
Human Unigeneset - RZPD3
Unpublished (2003)
Contact: Ina Rolfs

COMMENT
RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH
Im Neuenheimer Feld 580, D-69120 Heidelberg, Germany
RZPD, IMAGG998L091748.
RZPDLIB: I.M.A.G.E. CDNA Clone Collection;
Human Unigeneset - RZPD3 (RZPDLIB No.972)
http://www.rzpd.de/CloneCards/cgi-bin/showLib.pl.cgi/response?libNo=972
RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH
Heubergweg 6, D-14059 Berlin, Germany
Tel: +49 30 32639 101
Fax: +49 30 32639 111
www.rzpd.de

FEATURES
source
This clone is available royalty-free from RZPD;
contact RZPD (clone@rzpd.de) for further information. Seq primer:
M13r, Primer sequence: TTTCACACGAGAAAGCATGAC.
Location/Qualifiers
1..724
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGG998L091748 ; IMAGE:713624"
/sex="Female"
/tissue_type="ovarian tumor"
/lab_host="DH10B (ampicillin resistant)"
/clone_lib="Soares ovary tumor NBHOT"
/note="Organ: ovary; Vector: pTVT3D (Pharmacia) with a
modified polylinker; Site 1: Not 1; Site 2: Eco RI; 1st
strand cDNA was primed with a Not I - Oligo(dT) primer [5'
TGTTACCAATCGAAGTGGAGCGCGCGTTTCTTTTCTTTT 3']"

double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pTZ19 vector (Pharmacia). Library constructed by Bento Soares and M. Patricia Bernaldo.

ORIGIN

Query Match 89.7%; Score 723; DB 5; Length 724;
Best Local Similarity 99.9%; Pred. No. 2,5e-191;
Matches 723; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 12 AAATGCTCTTCCACCATGAGGCTTCTAGTCTTCCAGCTGCTGTATCTGCTTC
DB 1 AAATGCTCTTCCACCATGAGGCTTCTAGTCTTCCAGCTGCTGTATCTGCTTC
QY 72 TCTGCTTCTCCATCTTCTCCAGAGAGAGAGAGGCTCTGCGAAGGCTGTGAGGA
DB 61 TCTGCTTCTCCATCTTCTCCAGAGAGAGAGAGGCTCTGCGAAGGCTGTGAGGA
QY 132 GGAGAACAGAGGCTCTGCTGCGAAGGCTCTGCGAAGGCTGTGAGGA
DB 121 GGAGAACAGAGGCTCTGCTGCGAAGGCTCTGCGAAGGCTGTGAGGA
QY 192 ATCATGTGAGGCTCTGTAACCATGACAGCTTGAAGCCCGCTTTGGGTGTC
DB 181 ATCATGTGAGGCTCTGTAACCATGACAGCTTGAAGCCCGCTTTGGGTGTC
QY 252 CTGGGGGCACTCCCAACAGGTGTAGCACTCCCAAGCAAGTCCAGACAGGAACTTC
DB 241 CTGGGGGCACTCCCAACAGGTGTAGCACTCCCAAGCAAGTCCAGACAGGAACTTC
QY 312 ATGCTGCGACCTGAGGTACCCAGAGGCTCTGCTCTCCCTTTCAGCTTCAAGCACT
DB 301 ATGCTGCGACCTGAGGTACCCAGAGGCTCTGCTCTCCCTTTCAGCTTCAAGCACT
QY 372 GAGCTGCAATGTTGAGGGCTTCACTGCGGCTGCAAGAACCTTGGAAAGTTCCAGAAC
DB 361 GAGCTGCAATGTTGAGGGCTTCACTGCGGCTGCAAGAACCTTGGAAAGTTCCAGAAC
QY 432 TCCAGCTCTTCTGCTCAATTTGAGGCTTCACTGAGCTTCACTGAGCTTCACTGAGC
DB 421 TCCAGCTCTTCTGCTCAATTTGAGGCTTCACTGAGCTTCACTGAGCTTCACTGAGC
QY 492 CCACAGAGGCTGAGTGGCCACCATGAGGCTTCTGAGTCAAGAACCAAGGATTCAC
DB 481 CCACAGAGGCTGAGTGGCCACCATGAGGCTTCTGAGTCAAGAACCAAGGATTCAC
QY 552 CATGACCGGTCAACGCTACCAATTCAGAGACCATCAATCTGCTAGAGTGCAGGGTGCA
DB 541 CATGACCGGTCAACGCTACCAATTCAGAGACCATCAATCTGCTAGAGTGCAGGGTGCA
QY 612 AGCACCAGAGGGGCTGACCAAGTCAAGTCTCCCTCAATCTTCAAGTCCATTCAC
DB 601 AGCACCAGAGGGGCTGACCAAGTCAAGTCTCCCTCAATCTTCAAGTCCATTCAC
QY 672 CTCCTGAGCTTAACTACCAAGTCAAGTCTCCCTCAATCTTCAAGTCCATTCAC
DB 661 CTCCTGAGCTTAACTACCAAGTCAAGTCTCCCTCAATCTTCAAGTCCATTCAC
QY 732 ACAT 735
DB 721 ACAT 724

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RESULT 2
CK299548/c 727 bp mRNA linear EST 15-DEC-2003
LOCUS UI-E-EJ1-a1v-h-16-0-UI.61 UI-E-EJ1 Homo sapiens cDNA clone
DEFINITION UI-E-EJ1-a1v-h-16-0-UI 3', mRNA sequence.
ACCESSION CK299548
VERSION CK299548.1 GI:39888007
KEYWORDS EST.
SOURCE Homo sapiens (human)

ORGANISM

Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
1 (bases 1 to 727)
Bernaldo,M.F., Lennon,G. and Soares,M.B.
AUTHORS Normalization and subtraction: two approaches to facilitate gene
TITLE discovery
JOURNAL Genome Res. 6 (9), 791-806 (1996)
MEDLINE 97044477
PUBMED 8889548

COMMENT

Contact: Soares, MB
Coordinated Laboratory for Computational Genomics
University of Iowa
375 Newton Road, 4156 MEBRF, Iowa City, IA 52242, USA
Tel: 319 335 8250
Fax: 319 335 9565
Email: bento-soares@uiowa.edu
Tissue Procurement: Dr. Greg Hageman
cDNA Library Preparation: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Distribution information can be found at
http://genome.uiowa.edu/distribution/eye.html
The following repetitive elements were found in this cDNA
sequence: 1-58, >(TAAA)n#simple_repeat (matched complement)
Seq primer: M13 FORWARD
PolyA=Yes.

FEATURES

source

Location/Qualifiers
1..727
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/cdate="UI-E-EJ1-a1v-h-16-0-UI"
/tissue_type="fetal eyes, lens, eye anterior segment,
optic nerve, retina, Retina Foveal and Macular, RPE and
Choroid"
/dev_stage="fetal and adult"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/clone_lib="UI-E-EJ1"
/note="Torgan: eye; Vector: pTZ19-Pac (Pharmacia) with a
modified polylinker; Site 1: EcoR I; Site 2: Not I;
UI-E-EJ1 is a subcloned cDNA library constructed
according to Bernaldo, Lennon and Soares, Genome Research,
6:791-806, 1996. First strand cDNA synthesis was primed
with an oligo-dT primer containing a Not I site. Double
stranded cDNA was ligated to an EcoR I adaptor, digested
with Not I, and cloned directionally into pTZ19-Pac
vector. The oligonucleotide used to prime the synthesis of
first-strand cDNA contains a library tag sequence that is
located between the Not I site and the (dT)18 tail. The
sequence tags for this library are: fetal eyes,
AGATCCAGCA; lens, CGATTAGGCA; eye anterior segment,
AATGCCGAT; optic nerve, CCATTAGGT; retina, CCGCG; Retina
Foveal and Macular, GTCC; RPE and Choroid, ACTTA. This
library was created for the program, Gene Discovery in the
Visual System, supported by National Eye Institute (NEI).
TAG TISUB=human optic nerve
TAG_LIB=UI-E-EJ1
TAG_SEQ=CCATTAGTG"

ORIGIN

Query Match 88.7%; Score 714.8; DB 7; Length 727;
Best Local Similarity 99.7%; Pred. No. 5e-189;
Matches 716; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 89 TCCACAGAGAGGAGAGGCGTCTGCGAAGGCTGTGAGGAGAGAACAGGCTCTGC
DB 721 TCCACAGAGAGGAGAGGCGTCTGCGAAGGCTGTGAGGAGAGAACAGGCTCTGC
QY 149 TCCACAGAGGCTCTGAGGCTTCACTCAACCACTGGAAGGACATCATGTGAGGCTCTGT
DB 667 TCCACAGAGGCTCTGAGGCTTCACTCAACCACTGGAAGGACATCATGTGAGGCTCTGT

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DR WPI; 2002-122281/16.
 XX P-PSDB; AAB16481.
 PT Secreted epithelial colon stromal-1 polypeptides and nucleic acids,
 PT useful for diagnosing, treating and preventing hematopoietic disorder,
 PT osteoporosis, Paget's disease, cancer, diabetes.
 PS Claim 1; Fig 2; 134pp; English.
 XX
 CC The present invention relates to an isolated murine or human secreted
 CC epithelial colon stromal-1 (Secs-1) polypeptide, its allelic or splice
 CC variant, orthologue, fragment or mutant. Secs-1 gene is used in gene
 CC therapy and cell therapy. Secs-1 is useful for identifying a compound
 CC which binds to a Secs-1 polypeptide. Secs-1 is useful for treating,
 CC preventing or ameliorating a disease condition such as haematopoietic
 CC disorder, osteoporosis, osteopetrosis, osteogenesis imperfecta, Paget's
 CC disease, periodontal disease, hypercalcaemia, acute glomerulonephritis,
 CC chronic glomerulonephritis, cancer, diabetes, obesity or cachexia. Secs-1
 CC is also useful for diagnosing a pathological condition which involves
 CC determining the presence or amount of Secs-1 or polypeptide encoded by
 CC Secs-1 DNA in a sample; and diagnosing a pathological condition, or
 CC susceptibility to pathological condition based on the presence or amount
 CC of expression of the polypeptide. The present sequence is human Secs-1
 CC DNA
 XX
 SQ Sequence 806 BP; 207 A; 257 C; 179 G; 163 T; 0 U; 0 Other;

Query Match 100.0%; Score 806; DB 6; Length 806;

Best Local Similarity 100.0%; Pred. No. 7,8e-229;

Matches 806; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGAAACGAGGAAATATGCTTCTCACATGAGGCTTCTAGTCTTTCAGGCTGCTG 60
 DB 1 GGAAACGAGGAAATATGCTTCTCACATGAGGCTTCTAGTCTTTCAGGCTGCTG 60
 QY 61 TATCTGCTTCTCTGCTTCTTCCATCTTTCACAGAGGAAAGAGGCGTCTGCGAAGC 120
 DB 61 TATCTGCTTCTCTGCTTCTTCCATCTTTCACAGAGGAAAGAGGCGTCTGCGAAGC 120
 QY 121 CTGGTACGAGGAGGAAACGAGGCTGCTGCGACGAGGCTTCTAGGCTTCTTCAACAA 180
 DB 121 CTGGTACGAGGAGGAAACGAGGCTGCTGCGACGAGGCTTCTAGGCTTCTTCAACAA 180
 QY 181 CCTGAAAGGACATCATGTAGAGGCTCTGTAAACCATGACATGTAGAGCCAGCCGCT 240
 DB 181 CCTGAAAGGACATCATGTAGAGGCTCTGTAAACCATGACATGTAGAGCCAGCCGCT 240
 QY 241 TTGGGTGGTGGCTGGGGCACTCCACAGGTGTAGCACTTCCAAAGCAAGATTCAGACG 300
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 QY 301 CGGAGAACCTCATGCTGTGACCTGAGGATACGAGAGGCTCTGCTTCCCTTTCAGGC 360
 DB 301 CGGAGAACCTCATGCTGTGACCTGAGGATACGAGAGGCTCTGCTTCCCTTTCAGGC 360
 QY 361 TTCACAGCAGTAGAGTGCATATGTGGAGGGCTTCACTCGGGCTGCAGAGACCTTGAG 420
 DB 361 TTCACAGCAGTAGAGTGCATATGTGGAGGGCTTCACTCGGGCTGCAGAGACCTTGAG 420
 QY 421 AGTTCCAGAACTTCACAGTCTTGTCTCAATTGTGCCATCACTTTCAAGAGCTATCATG 480
 DB 421 AGTTCCAGAACTTCACAGTCTTGTCTCAATTGTGCCATCACTTTCAAGAGCTATCATG 480
 QY 481 CCAACCTCAACCCCAAGGGGCTCAGTCGCAACATGTGGGCTTCCCAATGGAAACCAAC 540
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DB 601 GCAAGGTGCAAGCAACCCCAAGGGTGGCTGACCAAGATCGAAGTCTCTCAATTCAG 660
 QY 661 GTTCATTGAGGCTCTGGCATTTTAATCTACGACATCCAGTGGTCCCAAGAAATCCCTTC 720
 DB 661 GTTCATTGAGGCTCTGGCATTTTAATCTACGACATCCAGTGGTCCCAAGAAATCCCTTC 720
 QY 721 CTAGCCTCTGACATGAGTCTGCTGGAAAGAGCATCCAAACAAAGTAATTAATTAAT 780
 DB 721 CTAGCCTCTGACATGAGTCTGCTGGAAAGAGCATCCAAACAAAGTAATTAATTAAT 780
 QY 781 AATTAATCTCATGACGACACAAAA 806
 DB 781 AATTAATCTCATGACGACACAAAA 806

RESULT 2

AD023124
 ID AD023124 standard; DNA; 921 BP.

AD023124;

26-AUG-2004 (first entry)

Human soft tissue sarcoma-upregulated DNA - SEQ ID 5944.

Human soft tissue sarcoma; cytostatic; gene therapy; vaccine; screening; human;
 de.

Homo sapiens.

WO2004048938-A2.

10-JUN-2004.

26-NOV-2003; 2003WO-US038193.

26-NOV-2002; 2002US-0429739P.

(PROT-) PROTEIN DESIGN LABS INC.

Aziz N, Ginsburg WM, Zlotnick A;

WPI; 2004-441208/41.

Early detection of soft tissue sarcoma comprises determining expression
 of a gene in a first soft tissue sample and a normal soft tissue sample
 and comparing the gene expression, also useful in treating soft tissue
 sarcoma.

Example 2; SEQ ID NO 5944; 210bp; English.

The invention relates to a novel method for detecting soft tissue sarcoma
 which comprises obtaining a first soft tissue sample from an individual
 and a normal soft tissue sample from the same or different individual,
 determining the expression of a gene in both samples and comparing the
 expression of the gene in both soft tissue samples, where a higher level
 of protein expression in the first soft tissue sample indicates the
 presence of soft tissue sarcoma. The method of the invention has
 cytostatic applications and may be useful for detecting soft tissue
 sarcoma, possibly via gene therapy or vaccine production. The nucleic
 acid sequences may be useful in diagnostic and screening applications.
 The current sequence is that of a human soft tissue sarcoma-upregulated
 DNA of the invention. The current sequence is not shown within the
 specification per se but was submitted in CD format by the inventor.

Sequence 921 BP; 229 A; 292 C; 220 G; 180 T; 0 U; 0 Other;

Query Match 98.2%; Score 791.6; DB 12; Length 921;

Best Local Similarity 99.5%; Pred. No. 1.6e-224;

Matches 794; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 9 GGAAATATGCTTCTCACATGAGGCTTCTAGTCTTTCAGGCTGCTGTATCTGCG 68
 DB 9 GGAAATATGCTTCTCACATGAGGCTTCTAGTCTTTCAGGCTGCTGTATCTGCG 68

61 TATCCTGCTTCTGCTTCTCCATCTTCTCCACAGAAGGAGAGGCGTCTGCCAAGGC 120

Db 61 TATCTGCTTCTCTGCTTCTCATCTTCTCCACAGAAAGGAGAGGCTCTGCAAGGC 120
QY 121 CTGCTAGGAGAGAGAAACCAAGGCTCTGCTGCAACGAGTCCCTAGGCCCACTCAACAA 180
Db 121 CTGCTAGGAGAGAGAAACCAAGGCTCTGCTGCAACGAGTCCCTAGGCCCACTCAACAA 180
QY 181 CCTGAAGAGCATATGATGAGGCTCTGTAAACCATCAAGCTTGAAGCCAGAGCCCGCT 240
Db 181 CTGAAGAGAGCATATGATGAGGCTCTGTAAACCATCAAGCTTGAAGCCAGAGCCCGCT 240
QY 241 TTGGGTGTGTCTCTGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGATCTCAGACAG 300
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QY 301 CGGAGAACCTCATGCTCTGGGCACTGAGGTACCGAGAGGCTCTGCTCTCCCTTCAAGCC 360
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Db 361 TTCACAGAGTGAAGTCAATGTGAGAGGCTTCACTCTGGGCTGCAAGGACCTGGGAA 420
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QY 541 GAGCATTTCCACATGACCCGCTCAAGCTCAACAAATCCAGAGACCATCACTCTGATAGT 600
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QY 601 GCAGGCTGCAAGACCCCAAGGCTGCTGACCAAGCTGACAGTCTCTCTCACTTTCAG 660
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QY 721 CTAGCTCTGATGATGATGCTGTGAAAGAGCATCAACAACTAATTAATTAAT 780
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QY 781 AATTAATCTAATGACAGACCAAAAA 806
Db 781 AATTAATCTAATGACAGACCAAAAA 806

RESULT 2
AR374725 908 bp DNA linear PAT 18-DEC-2003
LOCUS AR374725
DEFINITION Sequence 25 from patent US 6605592.
ACCESSION AR374725
VERSION AR374725.1 GI:40077581
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 908)
AUTHORS Ni,J., Baker,K.P., Birse,C.E., Ebner,R., Piscaglia,M., Komatsoulie,G.A., Lafleur,D.W., Moore,P.A., Olsen,H.S., Rosen,C.A., Ruben,S.M., Soppe,D.R., Young,P.E., Wei,P. and Florence,K.A.
TITLE Protein HOFNF53
JOURNAL Patent: US 6605592-A 25 12-AUG-2003;
FEATURES Location/Qualifiers
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/organism="unknown"
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ORIGIN

Query Match 97.7%; Score 787.4; DB 6; Length 908;
Best Local Similarity 99.0%; Pred. No. 4,7e-229;
Matches 791; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 8 GGGAAATCTGCTTCTCAACATGAGGCTTATGCTTTTCCAGGCTGCTGTATCTG 67
Db 64 GTGAAATCTGCTTCTCAACATGAGGCTTATGCTTTTCCAGGCTGCTGTATCTG 123
QY 68 CTTCCTGCTTCTCAATCTTCCACAGAGGAAAGAGGCTCTGCAAGGCTGTGTA 127
Db 124 CTTCCTGCTTCTCAATCTTCCACAGAGGAAAGAGGCTCTGCAAGGCTGTGTA 183
QY 128 GCGAGAGAACAGGCTCTGCTGCAACGAGTCCCTAGGCCCACTCAACAACTGAAA 187
Db 184 GCGAGAGAACAGGCTCTGCTGCAACGAGTCCCTAGGCCCACTCAACAACTGAAA 243
QY 188 GGAATCATGTGAGGCTGTGTAACCATGCAAGCTTGAAGCCAGAGCCCGCTTGGGTG 247
Db 244 GGAATCATGTGAGGCTGTGTAACCATGCAAGCTTGAAGCCAGAGCCCGCTTGGGTG 303
QY 248 GTGCTGGGGGCACTCCACAGGTGAGCACTCCAAAGCAAGCTCCAGACGCGAGAA 307
Db 304 GTGCTGGGGGCACTCCACAGGTGAGCACTCCAAAGCAAGCTCCAGACGCGAGAA 363
QY 308 CCTCATGCTGCACTGAGTACCAGAGGCTCTGCTCTCCCTTCAAGCTTCAAG 367
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QY 368 CAGTGAAGTGCATGTTGAGAGGCTTCACTCTGGGCTGCAAGAACCTGGGAAAGTTCCA 427
Db 424 CAGTGAAGTGCATGTTGAGAGGCTTCACTCTGGGCTGCAAGAACCTGGGAAAGTTCCA 483
QY 428 GAACTCCAGTCTTGTCTCAATGTGSCATCACTTTCAGAGCTATCATGAGCAACCT 487
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QY 488 CACCCACAGGCTCTCAGTCCGCAACATGAGGCTCTTCCAGTGAACCAACGAGCAT 547
Db 544 CACCCACAGGCTCTCAGTCCGCAACATGAGGCTCTTCCAGTGAACCAACGAGCAT 603
QY 548 CCAACATGACCGGTCAACGCTAACAATCCAGAGCAATCAATCTGCTGAAGTCAAGGT 607
Db 604 CCAACATGACCGGTCAACGCTAACAATCCAGAGCAATCAATCTGCTGAAGTCAAGGT 663
QY 608 GGCAGACACCCAGGCTGCTGACCAAGCTGACAGTCTCTCATCTTCAAGTCCATT 667
Db 664 GGCAGACACCCAGGCTGCTGACCAAGCTGACAGTCTCTCATCTTCAAGTCCATT 723
QY 668 CAGCTCTCTGCAATTAATCAACAGATCCAGTGTCCCAAGGAATCCCTTCTAGCCT 727
Db 724 CAGCTCTCTGCAATTAATCAACAGATCCAGTGTCCCAAGGAATCCCTTCTAGCCT 783
QY 728 CCTGACATGATGCTGTGAAAGAGCATTCAAACAACTAATTAATTAATTAAT 787
Db 784 CCTGACATGATGCTGTGAAAGAGCATTCAAACAACTAATTAATTAATTAATTAAT 843
QY 788 CTCAATGCAGACAAAAA 806
Db 844 CTCAATGCAGACAAAAA 862

RESULT 3
AR528527 804 bp DNA linear PAT 08-OCT-2004
LOCUS AR528527
DEFINITION Sequence 149 from patent US 6725730.
ACCESSION AR528527
VERSION AR528527.1 GI:53916605
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 804)
AUTHORS Bollinger,C.L. Jr.

TITLE Crane test weight assembly and method
JOURNAL Patent: US 6725730-A 149 27-APR-2004;
FEATURES Location/Qualifiers

SOURCE

1. 804
/organism="unknown"
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ORIGIN

Query Match 97.1%; Score 782.4; DB 6; Length 804;
Best Local Similarity 99.9%; Pred. No. 1.6e-227;
Matches 783; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 8 GGGAAATCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 67
DB 21 GTGAAATCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 80
QY 68 CTTCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 127
DB 81 CTTCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 140
QY 128 GGGAGAGAACCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCA 187
DB 141 GGGAGAGAACCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCA 200
QY 188 GGCATCATGTGAGGCTCTGTAACCAATGCAAGCTTGAAGCCGCTTTGGGTG 247
DB 201 GGCATCATGTGAGGCTCTGTAACCAATGCAAGCTTGAAGCCGCTTTGGGTG 260
QY 248 GTGCTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCAAGCAAGCAAGCA 307
DB 261 GTGCTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCAAGCAAGCAAGCA 320
QY 308 CTTCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 367
DB 321 CTTCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 380
QY 368 CAGTGAAGTCAATGTTGAGGGCTTCACTCGGGCTGCAAGGACCTGGGAAAGTTCCA 427
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QY 428 GAACTCCAGTCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 487
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QY 488 CACCCCAAGGGCTCTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGGCT 547
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QY 548 CCAACATGACCGGTCAAGGTCAATTCAGAGCAATCAATCTGCTAGAGGAGGT 607
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QY 608 GGGAGACACCAAGGGTGTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGG 667
DB 621 GGGAGACACCAAGGGTGTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGG 680
QY 668 CAGCTCTGCTGCAATTTAATCAAGCAATCAAGTGTGCTGCTGCAAGGCTCTG 727
DB 681 CAGCTCTGCTGCAATTTAATCAAGCAATCAAGTGTGCTGCTGCAAGGCTCTG 740
QY 728 CCGAATGATGTGCTGCAAGGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCAAG 787
DB 741 CCGAATGATGTGCTGCAAGGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCAAG 800
QY 788 CTCGA 791
DB 801 CTCGA 804

RESULT 4
AX464016 804 bp DNA linear PAT 16-JUL-2002
LOCUS AX464016
DEFINITION Sequence 149 from Patent WO0140466.

ACCESSION AX464016
VERSION AX464016.1 GI:21899025
KEYWORDS

SOURCE

ORGANISM
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE

1 Baker, K.P., Betesini, M., DeForge, L., Desnoyers, L., Filvaroff, E.,
Gao, M.Q., Gerritsen, M.E., Goddard, A., Godowski, P.J., Gurney, A.L.,
Sherwood, S., Smith, V., Stewart, T.A., Tumas, D., Watanabe, C.K.,
Wood, W.L. and Zhang, Z.
Secreted and transmembrane polypeptides and nucleic acids encoding
same
Patent: WO 0140466-A 149 07-JUN-2001;
Genentech Inc. (US)

JOURNAL

FEATURES

source
1. 804
/organism="Homo sapiens"
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ORIGIN

Query Match 97.1%; Score 782.4; DB 6; Length 804;
Best Local Similarity 99.9%; Pred. No. 1.6e-227;
Matches 783; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 8 GGGAAATCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 67
DB 21 GTGAAATCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 80
QY 68 CTTCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 127
DB 81 CTTCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 140
QY 128 GGGAGAGAACCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCA 187
DB 141 GGGAGAGAACCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCA 200
QY 188 GGCATCATGTGAGGCTCTGTAACCAATGCAAGCTTGAAGCCGCTTTGGGTG 247
DB 201 GGCATCATGTGAGGCTCTGTAACCAATGCAAGCTTGAAGCCGCTTTGGGTG 260
QY 248 GTGCTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCAAGCAAGCAAGCA 307
DB 261 GTGCTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCAAGCAAGCAAGCA 320
QY 308 CTTCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 367
DB 321 CTTCTGCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 380
QY 368 CAGTGAAGTCAATGTTGAGGGCTTCACTCGGGCTGCAAGGACCTGGGAAAGTTCCA 427
DB 381 CAGTGAAGTCAATGTTGAGGGCTTCACTCGGGCTGCAAGGACCTGGGAAAGTTCCA 440
QY 428 GAACTCCAGTCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 487
DB 441 GAACTCCAGTCTTCTCCACCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 500
QY 488 CACCCCAAGGGCTCTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGGCT 547
DB 501 CACCCCAAGGGCTCTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGGCT 560
QY 548 CCAACATGACCGGTCAAGGTCAATTCAGAGCAATCAATCTGCTAGAGGAGGT 607
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QY 608 GGGAGACACCAAGGGTGTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGG 667
DB 621 GGGAGACACCAAGGGTGTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGG 680
QY 668 CAGCTCTGCTGCAATTTAATCAAGCAATCAAGTGTGCTGCTGCAAGGCTCTG 727

Db 681 CAGCCTCTGGCATTCTTACCTACGAGCATCCAGTGTCTCCCAAGAAATCCCTTCTAGCCT 740
Qy 728 CCGACATGATGCTGCTGGAAAGAGCATCCAAACAAGTATATTAATTAATTAATA 787
Db 741 CCGACATGATGCTGCTGGAAAGAGCATCCAAACAAGTATATTAATTAATTAATA 800
Qy 788 CTCTA 791
Db 801 CTCTA 804

RESULT 5
AY358751 804 bp mRNA linear PRI 03-OCT-2003
DEFINITION Homo sapiens clone DNA92219 RLV1833 (UNQ1833) mRNA, complete cds.
ACCESSION AY358751
VERSION AY358751.1 GI:37182620
KEYWORDS FLI_CDNA.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 804)
AUTHORS Clark,H.F., Gurney,A.L., Abaya,E., Baker,K., Baldwin,D., Brush,J.,
Chen,J., Chow,B., Chui,C., Crowley,C., Currell,B., Deuel,B.,
Dowd,P., Eaton,D., Foster,J., Grimaldi,C., Gu,Q., Hass,P.E.,
Heldens,S., Huang,A., Kim,H.S., Klimowski,L., Jin,Y., Johnson,S.,
Lee,J., Lewis,L., Liao,D., Mark,M., Robbie,E., Sanchez,C.,
Schoenfeld,J., Seashagiri,S., Simmons,L., Singh,J., Smith,V.,
Stinson,J., Vagts,A., Vanden,R., Watanabe,C., Wiand,D., Woods,K.,
Xie,M.H., Yaneura,D., Yi,S., Yu,G., Yuan,J., Zhang,M., Zhang,Z.,
Goddard,A., Wood,W.I. and Godowski,P.
The Secreted Protein Discovery Initiative (SPDI), a Large-Scale
Effort to Identify Novel Human Secreted and Transmembrane Proteins:
A Bioinformatics Assessment
JOURNAL Genome Res. 13 (10), 2265-2270 (2003)
PUBMED 12975309
REFERENCE 2 (bases 1 to 804)
AUTHORS Clark,H.F.
TITLE Direct Submission
JOURNAL Submitted (01-AUG-2003) Department of Bioinformatics, Genentech,
Inc., 1 DNA Way, South San Francisco, CA 94080, USA
FEATURES
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ORIGIN
Query Match 97.1%; Score 782.4; DB 9; Length 804;
Best Local Similarity 99.9%; Pred. No. 1.6e-227;
Matches 783; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 8 GGAAATATGCTCTTCAACCATAGAGCTTTAGTCTTTTCAAGCTGCTGTATCTG 67
Db 21 GTGAATATCTGCTCTTCAACCATAGAGCTTTAGTCTTTTCAAGCTGCTGTATCTG 80
Qy 68 CTTCTCTGCTCTTCAACCATAGAGCTTTAGTCTTTTCAAGCTGCTGTATCTG 127
Db 81 CTTCTCTGCTCTTCAACCATAGAGCTTTAGTCTTTTCAAGCTGCTGTATCTG 140

Qy 128 GGCAGAGAACCAAGGCTCTGTGCGCACCGAGTCCCTAGCCCACTCAACAACTGAAA 187
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Qy 188 GGACATCATGTGAGGCTCTGTAAACATGCAAGCTTGAAGCCAGAGCCCGCTTTGGTG 247
Db 201 GGACATCATGTGAGGCTCTGTAAACATGCAAGCTTGAAGCCAGAGCCCGCTTTGGTG 260
Qy 248 GTGCTGGGGGACCTCCCAAGGTGAGCACTCCCAAGAGAGCTCCAGACGGGAGAA 307
Db 261 GTGCTGGGGGACCTCCCAAGGTGAGCACTCCCAAGAGAGCTCCAGACGGGAGAA 320
Qy 308 CCTCATGCTGGCACCTGAGGTACCCAGACGCTCTGCTCCCTTCAGCTTCACAG 367
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Qy 488 CACCCCAAGAGGCTCTGAGTGGCACCATGAGGCTCTTCCAGTGGCAACCAAGAGCAT 547
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Qy 548 CCACCATGACCGGTACAGCTTCAAAATCCAGAGACCATCATCTTCTGTAAGTGCAGGCT 607
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Qy 608 GGCAGACACCCAAAGGCTGAGACCAAGAGCTGAGAGTCTCTCCATCTTCAGTGCATT 667
Db 621 GGCAGACACCCAAAGGCTGAGACCAAGAGCTGAGAGTCTCTCCATCTTCAGTGCATT 680
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Db 681 CAGCCTCTGGCATTCTTAACTACAGCATCCAGTGTCTCCCAAGAGATCCCTTCTAGCCT 740
Qy 728 CCGACATGATGCTGCTGGAAAGAGCATCCAAACAAGTATATTAATTAATTAATA 787
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Qy 788 CTCTA 791
Db 801 CTCTA 804

RESULT 6
AX027767/c 801 bp DNA linear PAT 16-SEP-2000
DEFINITION Sequence 1 from Patent WO0043509.
ACCESSION AX027767
VERSION AX027767.1 GI:10188619
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1
AUTHORS Vinals-Bassols,C.
TITLE Novel compounds
JOURNAL Patent: WO 0043509-A 1 27-JUL-2000;
SMITHKLINE BEECHAM BIOLOG (BE) ; VINALS BASSOLS CARLORA (BE)
FEATURES
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/db_xref="taxon:9606"

ORIGIN
Query Match 95.6%; Score 770.8; DB 6; Length 801;

Best Local Similarity 99.5%; Pred. No. 5.6e-224;
Matches 794; Conservative 0; Mismatches 2; Indels 2; Gaps 2;

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Db 797 GGAACGAGGGAATAATCTGCTTCTCACCATGAGGCTTCACTCTTCCAGCTGCTCTG 738
QY 61 TATCTGCTTCTGCTGCTTCTCACCATGAGGCTTCACTCTTCCAGCTGCTCTG 119
Db 737 TATCTGCTTCTGCTGCTTCTCACCATGAGGCTTCACTCTTCCAGCTGCTCTG 678
QY 120 CTTGTCAGGAGGAGAACGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 179
Db 677 CTTGTCAGGAGGAGAACGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 618
QY 180 ACTGAAAGGACATCATGTGAGGCTCTGTAAACATGCAAGCTTGAAGCCAGAGCCGCGC 239
Db 617 ACTGAAAGGACATCATGTGAGGCTCTGTAAACATGCAAGCTTGAAGCCAGAGCCGCGC 558
QY 240 TTTGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 299
Db 557 TTTGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 499
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Db 138 GGTCAATTGAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 79
QY 720 CTTAGCTCTCTGACATGAGTCTGTGGAAGAGCATCAAAACAAGTAATTAATTA 779
Db 78 CTTAGCTCTCTGACATGAGTCTGTGGAAGAGCATCAAAACAAGTAATTAATTA 19
QY 780 TAAATTAATCTCATGCG 797
Db 18 TAAATTAATCTCATGCG 1

RESULT 7
AX027773/c AX027773 797 bp DNA linear PAT 16-SEP-2000
LOCUS Sequence 7 from Patent WO0043509.
ACCESSION AX027773
VERSION AX027773.1 GI:1018625
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryote; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE 1
AUTHORS Vinals-Bassols, C.
```

TITLE Novel compounds
JOURNAL Patent: WO 0043509-A 7 27-JUL-2000;
SMITHKLINE BEECHAM BIOLOG (BE); VINALS-BASSOLS CARLOTTA (BE)
FEATURES
source
1. 797
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match 93.6%; Score 754.8; DB 6; Length 797;
Best Local Similarity 99.4%; Pred. No. 4.3e-219;
Matches 789; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

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QY 1 GGAACGAGGGAATAATCTGCTTCTCACCATGAGGCTTCACTCTTCCAGCTGCTCTG 60
Db 793 GGAACGAGGGAATAATCTGCTTCTCACCATGAGGCTTCACTCTTCCAGCTGCTCTG 734
QY 61 TATCTGCTTCTGCTGCTTCTCACCATGAGGCTTCACTCTTCCAGCTGCTCTG 119
Db 733 TATCTGCTTCTGCTGCTTCTCACCATGAGGCTTCACTCTTCCAGCTGCTCTG 674
QY 120 CTTGTCAGGAGGAGAACGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 179
Db 673 CTTGTCAGGAGGAGAACGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 614
QY 180 ACTGAAAGGACATCATGTGAGGCTCTGTAAACATGCAAGCTTGAAGCCAGAGCCGCGC 239
Db 613 ACTGAAAGGACATCATGTGAGGCTCTGTAAACATGCAAGCTTGAAGCCAGAGCCGCGC 554
QY 240 TTTGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 299
Db 553 TTTGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 495
QY 300 GCGAGAACCTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 359
Db 494 GCGAGAACCTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 435
QY 360 CTTCAAGCAGAGGAGCTGCAATGTTGAGGCTTCACTCTGCTGCTGCTGCTGCTGCTG 419
Db 434 CTTCAAGCAGAGGAGCTGCAATGTTGAGGCTTCACTCTGCTGCTGCTGCTGCTGCTG 375
QY 420 AAGTTCCAGAACCTCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 479
Db 374 AAGTTCCAGAACCTCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 315
QY 480 GCCAACCTCAACCCCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 539
Db 480 GCCAACCTCAACCCCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 255
QY 540 CGAGCATTCACACATGACCGGTGCAAGCTTCAATTCAGAGACCATCAATCTCTGCTAG 599
Db 254 CGAGCATTCACACATGACCGGTGCAAGCTTCAATTCAGAGACCATCAATCTCTGCTAG 195
QY 600 TGCAGGCTGCAAGACCCCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 659
Db 194 TGCAGGCTGCAAGACCCCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 135
QY 660 GGTCAATTGAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 719
Db 134 GGTCAATTGAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 75
QY 720 CTTAGCTCTCTGACATGAGTCTGTGGAAGAGCATCAAAACAAGTAATTAATTA 778
Db 74 CTTAGCTCTCTGACATGAGTCTGTGGAAGAGCATCAAAACAAGTAATTAATTA 15
QY 779 ATAATTAATCTCA 792
Db 14 ATAATTAATCTCA 1

RESULT 8
AC022389
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LOCUS AC022389 198481 bp DNA linear PRI 04-JUL-2002
DEFINITION Homo sapiens chromosome 10 clone RP11-124L5, complete sequence.
ACCESSION AC022389
VERSION AC022389.9 GI:21321764
KEYWORDS HTG.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE
AUTHORS Smith, D.R.
TITLE Genome Therapeutics Corporation Sequencing Center: Human Genome
Sequence Data
JOURNAL Unpublished
AUTHORS 2 (bases 1 to 198481)
TITLE Smith, D.R.
JOURNAL Direct Submission
AUTHORS Submitted (03-FEB-2000) Genome Therapeutics Corporation, 100 Beaver
JOURNAL Street, Waltham, MA 02453, USA
REFERENCE 3 (bases 1 to 198481)
AUTHORS Smith, D.R.
TITLE Direct Submission
JOURNAL Submitted (02-MAR-2002) Genome Therapeutics Corporation, 100 Beaver
REFERENCE 4 (bases 1 to 198481)
AUTHORS Smith, D.R.
TITLE Direct Submission
JOURNAL Submitted (04-JUN-2002) Genome Therapeutics Corporation, 100 Beaver
REFERENCE 5 (bases 1 to 198481)
AUTHORS Smith, D.R.
TITLE Direct Submission
JOURNAL Submitted (08-JUN-2002) Genome Therapeutics Corporation, 100 Beaver
REFERENCE 6 (bases 1 to 198481)
AUTHORS Smith, D.R.
TITLE Direct Submission
JOURNAL Submitted (21-JUN-2002) Genome Therapeutics Corporation, 100 Beaver
REFERENCE 7 (bases 1 to 198481)
AUTHORS Smith, D.R.
TITLE Direct Submission
JOURNAL Submitted (21-JUN-2002) Genome Therapeutics Corporation, 100 Beaver
REFERENCE 8 (bases 1 to 198481)
AUTHORS Smith, D.R.
TITLE Direct Submission
JOURNAL Submitted (04-JUL-2002) Genome Therapeutics Corporation, 100 Beaver
COMMENT On Jun 4, 2002 this sequence version replaced gi:19071578.
FEATURES
source 1..198481
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="10"
/clone="RP11-124L5"
/clone_1ib="RPCT-11"
ORIGIN
Query Match 77.3%; Score 623.4; DB 9; Length 198481;
Best Local Similarity 97.5%; Pred. No. 1.2e-178;
Matches 633; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
QY 154 CCGAGTCCTTAAGCCCACTCAACAACTGAAAGACATCATGTAGAGCTCTGTAACC 213
DB 43060 CCTTGGCTCTTGTACTACTATGCTCTCTCCAGACATCATGTAGAGCTCTGTAACC 43119
QY 214 ATGCAAGCTTGAAGCCGAGAGCCCGCTTGGGTGGTGGTGGGCACTCCCAAGGTGTA 273
DB 43120 ATGCAAGCTTGAAGCCGAGAGCCCGCTTGGGTGGTGGTGGGCACTCCCAAGGTGTA 43179
QY 274 GCACTCCCAAGCAAGATCCAGACAGCGGAGAACTCATGCTGAGCACTGAGTAACC 333
DB 43180 GCACTCCCAAGCAAGATCCAGACAGCGGAGAACTCATGCTGAGCACTGAGTAACC 43239
QY 334 AGCAGCTCTGTCTCTCCCTTTACAGCTTACAGCAGTAGAGCTGCAATGTTGAGGCTT 393

DB 43240 AGCAGCTCTGTCTCTCCCTTTACAGCTTACAGCAGTAGAGCTGCAATGTTGAGGCTT 43299
QY 394 CATCTGGGCTGCAAGAACCCGAGGAAGTCCAGATCCAGCTGCTGTCTCAATGT 453
DB 43300 CATCTGGGCTGCAAGAACCCGAGGAAGTCCAGATCCAGCTGCTGTCTCAATGT 43359
QY 454 GCCATCACTTTCAGAGCTATCATAGGCCAATCCGACCCACAGGAGCTCACTGCCACC 513
DB 43360 GCCATCACTTTCAGAGCTATCATAGGCCAATCCGACCCACAGGAGCTCACTGCCACC 43419
QY 514 ATGTGGGCTCTCCAGTGCACAAACACCGAGCATTTCCACCATGACCGGTCACTACAA 573
DB 43420 ATGTGGGCTCTCCAGTGCACAAACACCGAGCATTTCCACCATGACCGGTCACTACAA 43479
QY 574 TCCAGAGACATCATCTCGCTAGAGTGAAGGTGGAGCAAGCCAGAGGTGGCTGACCA 633
DB 43480 TCCAGAGACATCATCTCGCTAGAGTGAAGGTGGAGCAAGCCAGAGGTGGCTGACCA 43539
QY 634 AGACTGAGAGTCTCTCCATCTTCAGGTCCATTGAGCTCTGCACTTTAATCAACAGC 693
DB 43540 AGACTGAGAGTCTCTCCATCTTCAGGTCCATTGAGCTCTGCACTTTAATCAACAGC 43599
QY 694 ATCCAGTGTCTCCCAAGAAATCCCTTCTTCTGATCATGATCTGCTGGAAGAGC 753
DB 43600 ATCCAGTGTCTCCCAAGAAATCCCTTCTTCTGATCATGATCTGCTGGAAGAGC 43659
QY 754 ATCCAAACAAACAAATAATAATAATAATAATACTCAATGACAGACAC 802
DB 43660 ATCCAAACAAACAAATAATAATAATAATAATACTCAATGACAGACAC 43708
RESULT 9
LOCUS CQ776806 503 bp DNA linear PAT 11-MAR-2004
DEFINITION Sequence 492 from Patent EP1394274.
ACCESSION CQ776806
VERSION CQ776806.1 GI:45380196
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE
AUTHORS Ohnishi, N., Sugita, Y., Yamaya, M., Kubo, H., Nagai, H. and Izuhara, K.
TITLE Methods of testing for bronchial asthma or chronic obstructive
pulmonary disease
Patent: EP 1394274-A 492 03-MAR-2004;
JOURNAL Genex Research, Inc. (JP)
FEATURES
source 1..503
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
ORIGIN
Query Match 60.6%; Score 488.8; DB 6; Length 503;
Best Local Similarity 99.4%; Pred. No. 8.9e-138;
Matches 501; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
QY 14 ATCTGCTCTTCAACCATGAGGCTTCTAGTCTCTTTCAGCTGCTGTGATCTGCTTC 73
DB 1 ATCTGCTCTTCAACCATGAGGCTTCTAGTCTCTTTCAGCTGCTGTGATCTGCTTC 60
QY 74 TGTCTTCTCATCTTCTTCCACAGAGGAGAGAGGCTCTCTGCAAGGCTGTGTCAGGACG 133
DB 61 TGTCTTCTCATCTTCTTCCACAGAGGAGAGAGGCTCTCTGCAAGGCTGTGTCAGGACG 120
QY 134 AGAACAGAGCTCTGTGACACCGAGTCCCTAGGCCCACTCAACAACTGTAAGAGCAT 193
DB 121 AGAACAGAGCTCTGTGACACCGAGTCCCTAGGCCCACTCAACAACTGTAAGAGCAT 180
QY 194 CATGTAGGCTCTGTAAACATGCAAGCTTGAAGCCAGGCGGCTTGGGTGTGCT 253

Db 181 CATGTGAGGCTCTGTAAACATGACGCTTGAGCCAGAGCCCGCTTTGGGTGTGCT 240

Qy 254 GGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGACTCCAGACAGCGAAGAACTCAT 313

Db 241 GGGG-AGTCCCAAGGTGTAGCACTCCCAAGCAAGACTCCAGACAGCGAAGAACTCAT 299

Qy 314 GCGTGGACCTGAGGTAGCCAGAGGCTCTGTCTCCCTTTGAGCTTCAAGAGTGA 373

Db 300 GCTTGGACCTGAGGTAGCCAGAGGCTCTGTCTCCCTTTGAGCTTCAAGAGTGA 359

Qy 374 GCTGCAATGTTGAGGAGCTTCACTCGGGCTGCAAGAACCTTGAGAAAGTTCCAGATC 433

Db 360 GCTGCAATGTTGAGGAGCTTCACTCGGGCTGCAAGAACCTTGAGAAAGTTCCAGATC 419

Qy 434 CAGTCTTGTCTCAATTTGTCATCACTTTCAGAGCTATCATGAGCCAACTTCAACCC 493

Db 420 CAGTCTTGTCTCAATTTGTCATCACTTTCAGAGCTATCATGAGCCAACTTCAACCC 479

Qy 494 ACAAGGCTCAGTGGCCACCATGT 517

Db 480 ACAAGGCTCAGTGGCCACCATGT 503

RESULT 10

AK025416 2063 bp mRNA linear PRI 13-SEP-2003

LOCUS AK025416

DEFINITION Homo sapiens cDNA: FL211763 fls, clone COLF6967.

ACCESSION AK025416.1 GI:10437924

VERSION oligo capping; fls (full insert sequence).

KEYWORDS Homo sapiens (human)

SOURCE Homo sapiens

ORGANISM Homo sapiens

REFERENCE 1

AUTHORS Matanabe,K., Kumagai,A., Itakura,S., Yamazaki,M., Tashiro,H., Oca,T., Suzuki,Y., Obayashi,M., Nishi,T., Shibahara,T., Tanaka,T., Nakamura,Y., Isegai,T. and Sugano,S.

TITLE NEDO human cDNA sequencing project

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 2063)

AUTHORS Sugano,S., Suzuki,Y., Oca,T., Obayashi,M., Nishi,T., Isegai,T., Shibahara,T., Tanaka,T. and Nakamura,Y.

TITLE Direct Submission

JOURNAL Submitted (29-APR-2000) Sumio Sugano, Institute of Medical Science, University of Tokyo, Laboratory of Genome Structure Analysis, Human Genome Center, Shirokane-dai, 4-6-1, Minato-ku, Tokyo 108-8639, Japan (E-mail: flicdn@ims.u-tokyo.ac.jp, Tel:81-3-5449-5286, Fax:81-3-5449-5416)

COMMENT NEDO human cDNA sequencing project supported by Ministry of International Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology; cDNA library construction, 5'- & 3'-end one pass sequencing: Department of Virology and Human Genome Center, Institute of Medical Science, University of Tokyo (partly supported by Science and Technology Agency).

FEATURES

source 1..2063

location/Qualifiers

1..2063

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="COLF6967"

/cissue_type="Colon mucosa"

/clone_id="ColF"

/note="cloning vector pME18FL3"

ORIGIN

Query Match 59.9%; Score 482.4; DB 9; Length 2063;

Best Local Similarity 98.8%; Pred. No. 9.5e-16;

Matches 486; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 8 GGAAGATTCGCTTACACATGAGGCTTACGCTTTCAGCTGCTGATCTGATCTG 67

Db 94 GTGAAATCTGCTCTTCAACCATGAGCTTCTAGCTCTTTCAGAGCTGCTGTATCTG 153

Qy 68 CTCTCTGCTTCTTCCATCTTCTTCCAGAGAGAGAGAGGCTCTGCAAGGCTGTCA 127

Db 154 CTCTCTGCTTCTTCCATCTTCTTCCAGAGAGAGAGAGGCTCTGCAAGGCTGTCA 213

Qy 128 GGCAGAGAACCAAGGCTCTGCTGCAAGGCTCTGAGCCCACTCAAGAACTGAA 187

Db 214 GGCAGAGAACCAAGGCTCTGCTGCAAGGCTCTGAGCCCACTCAAGAACTGAA 273

Qy 188 GGAATCATGATGAGGCTCTGTAAACATGCAAGCTTGAAGCCCGCTTTGGGTG 247

Db 274 GGAATCATGATGAGGCTCTGTAAACATGCAAGCTTGAAGCCCGCTTTGGGTG 333

Qy 248 GTGCTTGGGCACTTCCCAAGGTGTAGCACTTCCCAAGCAAGACTCCAGACCGAGAA 307

Db 334 GTGCTTGGGCACTTCCCAAGGTGTAGCACTTCCCAAGCAAGACTCCAGACCGAGAA 393

Qy 308 CTTATGCTTGGGCACTTCCCAAGGTGTAGCACTTCCCAAGCAAGACTCCAGACCGAGAA 367

Db 394 CTTATGCTTGGGCACTTCCCAAGGTGTAGCACTTCCCAAGCAAGACTCCAGACCGAGAA 453

Qy 368 CAGTGAAGCTGCAATGTTGAGGAGCTTCACTCGGGCTGCAAGAACCTTGAGAAAGTTCA 427

Db 454 CAGTGAAGCTGCAATGTTGAGGAGCTTCACTCGGGCTGCAAGAACCTTGAGAAAGTTCA 513

Qy 428 GAACTCCAGCTCTTGTCTCAATTTGTCATCACTTTCAGAGCTATCATGAGCCAACT 487

Db 514 GAACTCCAGCTCTTGTCTCAATTTGTCATCACTTTCAGAGCTATCATGAGCCAACT 573

Qy 488 CACCCACAGAG 499

Db 574 CAGCTTTCGAG 585

RESULT 11

AX330090/c 366 bp DNA linear PAT 09-JAN-2002

LOCUS AX330090

DEFINITION Sequence 599 from Patent WO0194629.

ACCESSION AX330090

VERSION AX330090.1 GI:18103068

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE 1

AUTHORS Young,P.E., Augustus,M., Carter,K.C., Ebner,R., Endress,G., Horigan,S., Soppet,D.R. and Weaver,Z.

TITLE Cancer gene determination and therapeutic screening using signature gene sets

JOURNAL Patent: WO 0194629-A 599 13-DEC-2001; Avalon Pharmaceuticals (US)

FEATURES

source 1..366

location/Qualifiers

1..366

/organism="Homo sapiens"

/mol_type="unassigned DNA"

/db_xref="taxon:9606"

ORIGIN

Query Match 43.1%; Score 347; DB 6; Length 366;

Best Local Similarity 98.4%; Pred. No. 2e-94;

Matches 361; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

Qy 357 AGCTTCAAGCAAGTGTGATGATGAGGAGCTTCACTCGGGCTGCAAGACCTG 416

Db 366 AGCTTCAAGCAAGTGTGATGATGAGGAGCTTCACTCGGGCTGCAAGACCTG 307

Qy 417 GGAAGTTCCAGAACTCCAGCTCTGCTCAATTTGTCATCACTTTCAGAGCTATCA 476

Db 306 GGAAGTTCCAGAACTCCAGCTCTGCTCAATTTGTCATCACTTTCAGAGCTATCA 247

Qy 477 TGAGCAACTCAACCCAGAGGCTCAGTGGCAACATGTGGGCTCTCAGTGAAC 536

Db 246 TGAGCCAACTCAACCCAGGAGGCTCAGTCCGACCATGTGGGCTCTCCAGTCAAAAC 187
QY 537 CACCGAGCATTCACCATGACCGGTCAACGCTCAAAATCCAGAGACATCAATCCCTGCA 596
Db 186 CACCGAGCATTCACCATGACCGGTCAACGCTCAAAATCCAGAGACATCAATCCCTGCA 127
QY 597 GAGTGCAGGGTGGCAAGCAACCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 656
Db 126 GAGTGCAGGGTGGCAAGTGGCCCCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 67
QY 657 TCAGGTTCATTGAGCTCTGCGCATTTAACTACAGCATTCAGTGTGCCAAGAAATCC 716
Db 66 TCAGGTTCATTGAG-CTCCTGGCATTTAACTACAGCATTCAGTGTGCCAAGAAATCC 8
QY 717 CTTCCCTA 723
Db 7 CTTCCCTA 1

RESULT 12
AX335580/c
LOCUS AX335580 366 bp DNA linear PAT 09-JUN-2002
DEFINITION Sequence 6089 from Patent WO0194629.
ACCESSION AX335580
VERSION AX335580.1 GI:18126299
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

REFERENCE 1
AUTHORS Young, P.E., Augustus, M., Carter, K.C., Ebner, R., Endress, G.,
Horizgan, S., Soppet, D.R. and Weaver, Z.
TITLE Cancer gene determination and therapeutic screening using signature
JOURNAL Patent: WO 0194629-A 6089 13-DEC-2001;
Avalon Pharmaceuticals (US)
FEATURES
source 1. 366
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN
Query Match 43.1%; Score 347; DB 6; Length 366;
Best Local Similarity 98.4%; Pred. No. 2e-94;
Matches 361; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

QY 357 AGCCTTCACAGCATGAGTGCATGTGGAGGGCTTCACTTCGGGCTGCAAGACCTTG 416
Db 366 AGCCTTCACAGCATGAGTGCATGTGGAGGGCTTCACTTCGGGCTGCAAGACCTTG 307
QY 417 GGAAGTTCCAGAACTCCACGCTCTGTCTCAATTTGTCATCACTTTGAGATATCA 476
Db 306 GGAAGTTCCAGAACTCCACGCTCTGTCTCAATTTGTCATCACTTTGAGATATCA 247
QY 477 TGAGCAACCTCAACCCAGAGGCTCAGTGGCCACCATGTGGGCTCTCCAGTGAAC 536
Db 246 TGAGCAACCTCAACCCAGAGGCTCAGTGGCCACCATGTGGGCTCTCCAGTGAAC 187
QY 537 CACCGAGCATTCACCATGACCGGTCAACGCTCAAAATCCAGAGACATCAATCCCTGCTA 596
Db 186 CACCGAGCATTCACCATGACCGGTCAACGCTCAAAATCCAGAGACATCAATCCCTGCTA 127
QY 597 GAGTGCAGGGTGGCAAGCAACCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 656
Db 126 GAGTGCAGGGTGGCAAGTGGCCCCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 67
QY 657 TCAGGTTCATTGAGCTCTGCGCATTTAACTACAGCATTCAGTGTGCCAAGAAATCC 716
Db 66 TCAGGTTCATTGAG-CTCCTGGCATTTAACTACAGCATTCAGTGTGCCAAGAAATCC 8

QY 717 CTTCCCTA 723
Db 7 CTTCCCTA 1

RESULT 13
AX408291/c
LOCUS AX408291 366 bp DNA linear PAT 14-JUN-2002
DEFINITION Sequence 938 from Patent WO0229103.
ACCESSION AX408291
VERSION AX408291.1 GI:21440996
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

REFERENCE 1
AUTHORS Alvarez, C., Horne, D., Pera-da-Silva, S. and Vockley, J.G.
TITLE Gene expression profiles in liver cancer
JOURNAL Patent: WO 0229103-A 938 11-APR-2002;
GENE LOGIC INC (US)

FEATURES
source 1. 366
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/note="EMBL/GenBank Accession No. AA422086"

ORIGIN
Query Match 43.1%; Score 347; DB 6; Length 366;
Best Local Similarity 98.4%; Pred. No. 2e-94;
Matches 361; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

QY 357 AGCCTTCACAGCATGAGTGCATGTGGAGGGCTTCACTTCGGGCTGCAAGACCTTG 416
Db 366 AGCCTTCACAGCATGAGTGCATGTGGAGGGCTTCACTTCGGGCTGCAAGACCTTG 307
QY 417 GGAAGTTCCAGAACTCCACGCTCTGTCTCAATTTGTCATCACTTTGAGATATCA 476
Db 306 GGAAGTTCCAGAACTCCACGCTCTGTCTCAATTTGTCATCACTTTGAGATATCA 247
QY 477 TGAGCAACCTCAACCCAGAGGCTCAGTGGCCACCATGTGGGCTCTCCAGTGAAC 536
Db 246 TGAGCAACCTCAACCCAGAGGCTCAGTGGCCACCATGTGGGCTCTCCAGTGAAC 187
QY 537 CACCGAGCATTCACCATGACCGGTCAACGCTCAAAATCCAGAGACATCAATCCCTGCTA 596
Db 186 CACCGAGCATTCACCATGACCGGTCAACGCTCAAAATCCAGAGACATCAATCCCTGCTA 127
QY 597 GAGTGCAGGGTGGCAAGCAACCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 656
Db 126 GAGTGCAGGGTGGCAAGTGGCCCCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 67
QY 657 TCAGGTTCATTGAGCTCTGCGCATTTAACTACAGCATTCAGTGTGCCAAGAAATCC 716
Db 66 TCAGGTTCATTGAG-CTCCTGGCATTTAACTACAGCATTCAGTGTGCCAAGAAATCC 8
QY 717 CTTCCCTA 723
Db 7 CTTCCCTA 1

RESULT 14
AX351259
LOCUS AX351259 485 bp DNA linear PAT 06-FEB-2002
DEFINITION Sequence 6 from Patent WO0196390.
ACCESSION AX351259
VERSION AX351259.1 GI:18616606
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

REFERENCE

1
AUTHORS Jiang, Y., Hepler, W.T., Clapper, J.D., Wang, A. and Secrist, H.
TITLE Compositions and methods for the therapy and diagnosis of colon cancer

JOURNAL

Patient: WO 0196390-A 6 20-DEC-2001;
CORIXA CORPORATION (US)
Location/Qualifiers

FEATURES

1. 485
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match 40.1%; Score 323.4; DB 6; Length 485;
Best Local Similarity 99.7%; Pred. No. 3.3e-87;

Matches 324; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 8 GGGAAATCTGCTTCTCAGCATGAGGCTTCTAGTCTTTCAGGCTGTCTGTATCTGT 67

DB 58 GTGAAATCTGCTTCTCAGCATGAGGCTTCTAGTCTTTCAGGCTGTCTGTATCTGT 117

QY 68 CTTCTGCTTCTTCTCAGCATGAGGCTTCTAGTCTTTCAGGCTGTCTGTATCTGTCA 127

DB 118 CTTCTGCTTCTTCTCAGCATGAGGCTTCTAGTCTTTCAGGCTGTCTGTATCTGTCA 177

QY 128 GGCAGAGAACCAAGGCTCTGTCTGACCAAGGCTCTTACGCTTCACTCAACAACTGAAA 187

DB 178 GGCAGAGAACCAAGGCTCTGTCTGACCAAGGCTCTTACGCTTCACTCAACAACTGAAA 237

QY 188 GGCATCATGTGAGGCTCTGTAAACATGCAAGCTTGAAGGCTTGAAGGCTTGAAGG 247

DB 238 GGCATCATGTGAGGCTCTGTAAACATGCAAGCTTGAAGGCTTGAAGGCTTGAAGG 297

QY 248 GTGCTGGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCACTCCCAAGCAAGG 307

DB 298 GTGCTGGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCACTCCCAAGCAAGG 357

QY 308 CTTGATGCTTGGGCACTGAGGTACC 332

DB 358 CTTGATGCTTGGGCACTGAGGTACC 382

RESULT 15

AX340424/c 382 bp DNA linear PAT 10-JAN-2002

LOCUS AX340424
DEFINITION Sequence 671 from Patent WO0196388.
ACCESSION AX340424
VERSION AX340424.1 GI:18136406

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM

Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE

1
AUTHORS Jiang, Y., Harlocker, S.L. and Secrist, H.
TITLE Compositions and methods for the therapy and diagnosis of colon cancer

JOURNAL

Patent: WO 0196388-A 671 20-DEC-2001;
CORIXA CORPORATION (US)
Location/Qualifiers

FEATURES

1. 382
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match 39.5%; Score 318.4; DB 6; Length 382;
Best Local Similarity 99.1%; Pred. No. 1.1e-85;

Matches 319; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 8 GGGAAATCTGCTTCTCAGCATGAGGCTTCTAGTCTTTCAGGCTGTCTGTATCTGT 67

DB 322 GTGAAATCTGCTTCTCAGCATGAGGCTTCTAGTCTTTCAGGCTGTCTGTATCTGT 263

QY 68 CTTCTGCTTCTTCTCAGCATGAGGCTTCTAGTCTTTCAGGCTGTCTGTATCTGTCA 127

DB 262 CTTCTGCTTCTTCTCAGCATGAGGCTTCTAGTCTTTCAGGCTGTCTGTATCTGTCA 203

QY 128 GGCAGAGAACCAAGGCTCTGTCTGACCAAGGCTCTTACGCTTCACTCAACAACTGAAA 187

DB 202 GGCAGAGAACCAAGGCTCTGTCTGACCAAGGCTCTTACGCTTCACTCAACAACTGAAA 143

QY 188 GGCATCATGTGAGGCTCTGTAAACATGCAAGCTTGAAGGCTTGAAGGCTTGAAGG 247

DB 142 GGCATCATGTGAGGCTCTGTAAACATGCAAGCTTGAAGGCTTGAAGGCTTGAAGG 83

QY 248 GTGCTGGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCACTCCCAAGCAAGG 307

DB 82 GTGCTGGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCACTCCCAAGCAAGG 23

QY 308 CTTGATGCTTGGGCACTGAGGT 329

DB 22 CTTGATGCTTGGGCACTGAGGT 1

Search completed: May 3, 2005, 18:32:28
Job time: 3865 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 3, 2005, 18:40:39 ; Search time 76.8913 Seconds

(without alignments)
407.427 Million cell updates/sec

Title: US-09-724-000A-5

Perfect score: 442
Sequence: 1 MRLVLVSSLICILLCSIF.....PCKLEPRRLWVPGALPGV 81

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database: A_Geneseq_16Dec04:*

1: geneeqp1980s:*
2: geneeqp1980s:*
3: geneeqp2000s:*
4: geneeqp2001s:*
5: geneeqp2002s:*
6: geneeqp2003as:*
7: geneeqp2003bs:*
8: geneeqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	442	100.0	81 4 AAB90558	Aab90558 Human sec
2	442	100.0	81 4 AAU12246	Aau12246 Human PRO
3	442	100.0	81 5 ABG65411	Abg65411 Human alb
4	442	100.0	81 5 AAE16481	Aae16481 Human Sec
5	442	100.0	81 5 ADG79531	Adg79531 Human sec
6	442	100.0	81 6 ABO17690	Abol17690 Novel hum
7	442	100.0	81 6 ABU80944	Abu80944 Human PRO
8	442	100.0	81 6 ABU66444	Abu66444 Human PRO
9	442	100.0	81 6 ABUS9725	Abus9725 Novel sec
10	442	100.0	81 6 ABO24915	Aboc24915 Human sec
11	442	100.0	81 6 ABU66920	Abu66920 Human sec
12	442	100.0	81 6 ADA11060	Ada11060 Human CDN
13	442	100.0	81 6 ADA45669	Ada45669 Novel hum
14	442	100.0	81 6 ADA76100	Ada76100 Human PRO
15	442	100.0	81 6 ADA18750	Ada18750 Human PRO
16	442	100.0	81 6 ADA61373	Ada61373 Homo sapi
17	442	100.0	81 6 ADB19158	Adb19158 Novel hum
18	442	100.0	81 6 ADB27699	Adb27699 Human PRO
19	442	100.0	81 6 ADA86178	Ada86178 Novel hum
20	442	100.0	81 6 ADB15742	Adb15742 Human PRO
21	442	100.0	81 6 ADA47528	Ada47528 Human PRO
22	442	100.0	81 6 ADA67323	Ada67323 Human PRO
23	442	100.0	81 6 ADB30330	Adb30330 Human PRO
24	442	100.0	81 6 ADA85626	Ada85626 Novel hum
25	442	100.0	81 6 ADA96838	Ada96838 Human PRO

26	442	100.0	81 6 ADA79142	Ada79142 Human PRO
27	442	100.0	81 6 ADA87281	Ada87281 Novel hum
28	442	100.0	81 6 ADB16483	Adb16483 Human PRO
29	442	100.0	81 6 ADA91575	Ada91575 Novel hum
30	442	100.0	81 6 ADB14638	Adb14638 Human PRO
31	442	100.0	81 6 ADB18599	Adb18599 Novel hum
32	442	100.0	81 6 ADA93814	Ada93814 Human PRO
33	442	100.0	81 6 ADB19710	Adb19710 Novel hum
34	442	100.0	81 6 ADB13022	Adb13022 Human PRO
35	442	100.0	81 6 ABO43223	Aboc43223 Novel hum
36	442	100.0	81 6 ADA74276	Ada74276 Human PRO
37	442	100.0	81 6 ADB24509	Adb24509 Human PRO
38	442	100.0	81 6 ADA82033	Ada82033 Human PRO
39	442	100.0	81 6 ADA74996	Ada74996 Human PRO
40	442	100.0	81 6 ADA85074	Ada85074 Novel hum
41	442	100.0	81 6 ADA84522	Ada84522 Novel hum
42	442	100.0	81 6 ADB29778	Adb29778 Human PRO
43	442	100.0	81 6 ADA80306	Ada80306 Human PRO
44	442	100.0	81 6 ADA75548	Ada75548 Human PRO
45	442	100.0	81 6 ADA46773	Ada46773 Human PRO

ALIGNMENTS

RESULT 1
AAB90558
ID AAB90558 standard; protein; 81 AA.
XX AC AAB90558;
XX DT
XX 01-JUN-2001 (first entry)
XX DE Human secreted protein, SEQ ID NO: 96.
XX KM Human, secreted protein; immunomodulatory; antisclerotic; dermatological;
XX KM anti-inflammatory; anti-HIV; cytostatic; cardiant; vascular;
XX KM anti-angiogenic; ophthalmological; neuroprotectant; nocotropic;
XX KM anticonvulsant; antialzheimers; antiparkinsonian; antitriobial;
XX KM vaccine; gene therapy; cancer; protein coordinate data;
XX KM infection.
XX OS Homo sapiens.
XX FN WO200121658-A1.
XX PD
XX 29-MAR-2001.
XX PF 22-SEP-2000; 2000WO-US026013.
XX PR 24-SEP-1999; 99US-0155709P.
XX PA (HUMA-) HUMAN GENOME SCI INC.
XX PI Ni J, Baker KP, Birze CE, Ebner R, Fiacella M, Komatoulis GA;
PI Yfleur DW, Moore PA, Olsen HS, Rosen CA, Ruben SA, Sogget DR;
PI Young PE, Wei P, Florence KA;
XX DR N-PSDB; AAF97898.
XX WPI; 2001-235311/24.
XX PT Nucleic acids encoding 32 human secreted polypeptides, useful for
PT preventing, diagnosing and/or treating e.g. cancers, Parkinson's disease
PT and diabetic retinopathy.
XX PS Claim 11; Page 783; 890pp; English.
XX CC The present sequence is one of 32 novel human secreted polypeptides. The
CC nucleic acid molecules and polypeptides may be used in the prevention,
CC diagnosis and treatment of diseases such as immune disorders (e.g.
CC multiple sclerosis, systemic lupus erythematosus and human immuno-
CC deficiency virus (HIV) infections), hyperproliferative disorders (e.g.
CC cancers and Gaucher's disease), cardiovascular diseases (e.g. Schmitz

CC syndrome, Chaga's cardiomyopathy and coronary arteriosclerosis),
 CC angiogenic disorders (e.g. corneal graft neovascularisation and diabetic
 CC retinopathy), neurological disorders (e.g. Huntington's chorea,
 CC Alzheimer's disease and Parkinson's disease), infectious diseases and/or
 CC for promoting wound healing, regeneration and/or chemotaxis. The nucleic
 CC acid molecules may be used to produce the secreted polypeptides. They may
 CC also be used as DNA probes in diagnostic assays to detect and quantitate
 CC the presence of similar nucleic acid sequences in samples. The
 CC polypeptides may be used as antigens in the production of antibodies and
 CC in assays to identify modulators of their expression and activity

XX
 SQ Sequence 81 AA;

QY Query Match 100.0%; Score 442; DB 4; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2,1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1 MRLVLSLLCILLCFSTEGKRRPAKAWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
 1 MRLVLSLLCILLCFSTEGKRRPAKAWSGRRTRLCRRVSPNSTNLKGHHVRLC 60

QY 61 KPCKLEPRLWVVPALPOV 81
 61 KPCKLEPRLWVVPALPOV 81

DB 61 KPCKLEPRLWVVPALPOV 81

RESULT 2
 AAU12246
 ID AAU12246 standard; protein; 81 AA.
 AC AAU12246;
 XX
 XX 24-OCT-2001 (first entry)
 DT XX
 DE Human PRO3446 polypeptide sequence.
 XX
 XX Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast;
 KM prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;
 KM ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;
 KM A-peptide; factor VIIa; gene therapy.
 XX
 OS Homo sapiens.
 OS
 XX
 PN MO20014046-A2.
 XX
 PD 07-JUN-2001.
 XX
 PF 01-DEC-2000; 2000MO-US032678.
 XX
 PR 01-DEC-1999; 99MO-US028301.
 PR 02-DEC-1999; 99MO-US028634.
 PR 02-DEC-1999; 99MO-US028551.
 PR 02-DEC-1999; 99MO-US028564.
 PR 02-DEC-1999; 99MO-US028565.
 PR 09-DEC-1999; 99US-0170262P.
 PR 16-DEC-1999; 99MO-US030095.
 PR 20-DEC-1999; 99MO-US030911.
 PR 20-DEC-1999; 99MO-US030999.
 PR 30-DEC-1999; 99MO-US031243.
 PR 30-DEC-1999; 99MO-US031274.
 PR 05-JAN-2000; 2000MO-US000219.
 PR 06-JAN-2000; 2000MO-US000277.
 PR 06-JAN-2000; 2000MO-US000376.
 PR 11-FEB-2000; 2000MO-US003565.
 PR 18-FEB-2000; 2000MO-US004341.
 PR 18-FEB-2000; 2000MO-US004342.
 PR 22-FEB-2000; 2000MO-US004414.
 PR 24-FEB-2000; 2000MO-US004914.
 PR 24-FEB-2000; 2000MO-US005004.
 PR 01-MAR-2000; 2000MO-US005601.
 PR 02-MAR-2000; 2000MO-US005841.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 10-MAR-2000; 2000MO-US006319.

PR 15-MAR-2000; 2000MO-US006884.
 PR 20-MAR-2000; 2000MO-US007377.
 PR 21-MAR-2000; 2000MO-US007532.
 PR 30-MAR-2000; 2000MO-US008439.
 PR 17-MAY-2000; 2000MO-US013705.
 PR 22-MAY-2000; 2000MO-US014042.
 PR 30-MAY-2000; 2000MO-US014941.
 PR 02-JUN-2000; 2000MO-US015264.
 PR 05-JUN-2000; 2000US-0209833P.
 PR 28-JUL-2000; 2000MO-US020710.
 PR 11-AUG-2000; 2000MO-US022031.
 PR 23-AUG-2000; 2000MO-US023522.
 PR 24-AUG-2000; 2000MO-US023328.
 PR 08-NOV-2000; 2000MO-US030952.
 PR 10-NOV-2000; 2000MO-US030873.
 XX
 XX (GENENTECH INC.
 PA Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AU, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z,
 XX WPI; 2001-408281/43.
 DR N-PSDB; AAS21318.
 DR
 XX
 PT Isolated, secretory and transmembrane PRO polypeptide used to detect
 PT other PRO polypeptides, link bioactive molecules to cells expressing PRO
 PT polypeptides, and detect the presence of mammalian tumors e.g. lung,
 PT breast, prostate, cervical.
 XX
 XX
 PS Claim 12; Fig 150; 813p; English.
 XX
 CC AAU12172-AAU12446 represent novel human secretory and transmembrane PRO
 CC polypeptides. The PRO polypeptides are useful to detect other PRO
 CC polypeptides, to link bioactive molecules to cells expressing PRO
 CC polypeptides, to modulate biological activities of cells expressing PRO
 CC polypeptides, and to detect the presence of mammalian lung, colon,
 CC breast, prostate, rectal, cervical or liver tumours by comparing PRO
 CC polypeptide expression in a cell sample to that in a control sample. Some
 CC of the 275 sequences are also useful to stimulate the release of tumour
 CC necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or
 CC differentiation of chondrocytes, the proliferation or gene expression in
 CC pericyte cells, the release of proteoglycans from cartilage, the
 CC proliferation of inner ear utricular supporting cells or of T-
 CC lymphocytes, the release of a cytokine from peripheral blood monocytes
 CC (PBMCs), or the proliferation of endothelial cells. Some of the PRO
 CC polypeptides may modulate glucose or free fatty acid uptake by skeletal
 CC muscle cells or by adipocytes; or inhibit binding of A-peptide to factor
 CC VIIa. The PRO polypeptides can be used in assays to identify molecules
 CC involved in binding interactions. The polynucleotides encoding PRO
 CC polypeptides can be used to generate probes, antisense RNA/DNA,
 CC transgenic or knock out animals and can be used in gene therapy

XX
 SQ Sequence 81 AA;

QY Query Match 100.0%; Score 442; DB 4; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2,1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1 MRLVLSLLCILLCFSTEGKRRPAKAWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
 1 MRLVLSLLCILLCFSTEGKRRPAKAWSGRRTRLCRRVSPNSTNLKGHHVRLC 60

QY 61 KPCKLEPRLWVVPALPOV 81
 61 KPCKLEPRLWVVPALPOV 81

DB 61 KPCKLEPRLWVVPALPOV 81

RESULT 3
 ABG65411
 ID ABG65411 standard; protein; 81 AA.
 AC ABG65411;

```

XX 27-AUG-2002 (first entry)
XX
XX Human albumin fusion protein #2086.
XX
XX Albumin fusion protein; therapeutic protein X; human albumin; HA;
XX human serum albumin; HSA; cancer; reproductive disorder;
XX digestive disorder; immune disorder; endocrine disorder;
XX haematopoietic disorder; neural disorder; connective disorder;
XX cytostatic; antiferility; antiinflammatory; antitumor;
XX immunomodulator; anti-HIV; antidiabetic; haemostatic; nootropic;
XX neuroprotective; antiparkinsonian; antimicrobial; neuroleptic;
XX osteopathic; antiarthritic.
XX
XX Homo sapiens.
XX Synthetic.
XX
XX WO200177137-A1.
XX
XX 18-OCT-2001.
XX
XX 12-APR-2001; 2001WO-US011988.
XX
XX 12-APR-2000; 2000US-0229358P.
XX 25-APR-2000; 2000US-0199384P.
XX 21-DEC-2000; 2000US-0256931P.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
XX
XX Rosen CA, Haseltine WA;
XX
XX WPI; 2002-010886/01.
XX
XX New fusion protein for treating disease e.g. diabetes comprises an
XX albumin fused to a therapeutic protein.
XX
XX Claim 1; Page 1979; 2102pp; English.
XX
XX The present invention relates to albumin fusion proteins comprising a
XX therapeutic protein X and human albumin (Hb, also known as human serum
XX albumin, HSA). The proteins are useful for treating a disease or disorder
XX that may be modulated by therapeutic protein X. The albumin extends the
XX shelf-life of protein X, and may increase its biological in vitro/in vivo
XX activity. The protein is useful for treating and diagnosing disorders
XX such as cancer, reproductive disorders, digestive disorders (e.g. Crohn's
XX disease, ulcerative colitis), immune disorders (e.g. acquired
XX immunodeficiency syndrome, AIDS), endocrine disorders (e.g. diabetes),
XX haematopoietic disorders, neural disorders (e.g. Alzheimer's,
XX Parkinson's, Creutzfeldt-Jacob disease, encephalomyelitis, meningitis,
XX schizophrenia), and connective disorders (e.g. osteoporosis, arthritis).
XX ABG63326-ABG65518 represent albumin fusion proteins of the invention
XX
XX Sequence 81 AA;
XX
XX Query Match 100.0%; Score 442; DB 5; Length 81;
XX Best Local Similarity 100.0%; Pred. No. 2.1e-43;
XX Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 MRLVLSSLLCILLCFSTFSTGKRRPAKAWSGRRTRLCCHRVPSNNTNLKGHHVRLC 60
XX |||||||
XX DB 1 MRLVLSSLLCILLCFSTFSTGKRRPAKAWSGRRTRLCCHRVPSNNTNLKGHHVRLC 60
XX |||||||
XX QY 61 KPCKLEPPRLMWWPGALPOV 81
XX |||||||
XX DB 61 KPCKLEPPRLMWWPGALPOV 81
XX |||||||
XX
XX RESULT 4
XX AAE16481
XX ID AAE16481 standard; protein; 81 AA.
XX AC
XX AAE16481,
XX

```

```

DT 09-APR-2002 (first entry)
XX
XX Human Secreted epithelial colon stromal-1 (Secs-1) protein.
XX
XX Secreted epithelial colon stromal-1; Secs-1; gene therapy; osteopetrosis;
XX haematopoietic disorder; osteoporosis; osteogenesis imperfecta; cachexia;
XX Paget's disease; periodontal disease; hypercalcaemia; glomerulonephritis;
XX diabetes; obesity; osteopathic; cytostatic; nephrotrophic; antidiabetic;
XX anorectic; immunomodulator; antipsoriatic; vulnary; antifertility;
XX gynaecological; antitumor; antiinflammatory; cancer; cell therapy; human.
XX
XX Homo sapiens.
XX
XX Key Location/Qualifiers
XX FT Peptide 1..24
XX FT /label= signal_peptide
XX FT 25..81
XX FT Protein /label= Mature_human_Secs-1_protein
XX
XX WO200198497-A1.
XX
XX 27-DEC-2001.
XX
XX 28-NOV-2000; 2000WO-US032479.
XX
XX 21-JUN-2000; 2000US-00599087.
XX 28-NOV-2000; 2000US-00724000.
XX
XX (AMGE-) AMGEN INC.
XX
XX Polverino AJ, Luethy R;
XX
XX WPI; 2002-122281/16.
XX DR N-PSDB; AAD27025, AAD27026.
XX
XX Secreted epithelial colon stromal-1 polypeptides and nucleic acids,
XX useful for diagnosing, treating and preventing haematopoietic disorder,
XX osteoporosis, Paget's disease, cancer, diabetes.
XX
XX Claim 13; Fig 3; 134pp; English.
XX
XX The present invention relates to an isolated murine or human secreted
XX epithelial colon stromal-1 (Secs-1) polypeptide, its allelic or splice
XX variant, orthologue, fragment or mutant. Secs-1 gene is used in gene
XX therapy and cell therapy. Secs-1 is useful for identifying a compound
XX which binds to a Secs-1 polypeptide. Secs-1 is useful for treating,
XX preventing or ameliorating a disease condition such as haematopoietic
XX disorder, osteoporosis, osteopetrosis, osteogenesis imperfecta, Paget's
XX disease, periodontal disease, hypercalcaemia, acute glomerulonephritis,
XX chronic glomerulonephritis, cancer, diabetes, obesity or cachexia. Secs-1
XX is also useful for diagnosing a pathological condition which involves
XX determining the presence or amount of Secs-1 or polypeptide encoded by
XX Secs-1 DNA in a sample; and diagnosing a pathological condition, or
XX susceptibility to pathological condition based on the presence or amount
XX of expression of the polypeptide. The present sequence is human Secs-1
XX protein
XX
XX Sequence 81 AA;
XX
XX Query Match 100.0%; Score 442; DB 5; Length 81;
XX Best Local Similarity 100.0%; Pred. No. 2.1e-43;
XX Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 MRLVLSSLLCILLCFSTFSTGKRRPAKAWSGRRTRLCCHRVPSNNTNLKGHHVRLC 60
XX |||||||
XX DB 1 MRLVLSSLLCILLCFSTFSTGKRRPAKAWSGRRTRLCCHRVPSNNTNLKGHHVRLC 60
XX |||||||
XX QY 61 KPCKLEPPRLMWWPGALPOV 81
XX |||||||
XX DB 61 KPCKLEPPRLMWWPGALPOV 81
XX |||||||
XX
XX RESULT 5

```


PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005501.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 10-MAR-2000; 2000WO-US005841.
 PR 15-MAR-2000; 2000WO-US006319.
 PR 20-MAR-2000; 2000WO-US006884.
 PR 21-MAR-2000; 2000WO-US007377.
 PR 30-MAR-2000; 2000WO-US007532.
 PR 17-MAY-2000; 2000WO-US008439.
 PR 23-MAY-2000; 2000WO-US013705.
 PR 30-MAY-2000; 2000WO-US014042.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US047259.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 18-MAY-2001; 2001US-00864280.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerltsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2003-341980/32.
 DR N-PSDB; ACD23927.
 XX
 PT New secreted and transmembrane PRO nucleic acids, for treating
 PT inflammation, organ failure, atherosclerosis, cardiac injury,
 PT infertility, birth defects, premature aging, acquired immunodeficiency
 PT syndrome (AIDS), or cancer.
 XX
 PS Claim 12; Fig 150; 660pp; English.
 XX
 CC The invention describes an isolated nucleic acid (I) comprising, or which
 CC has 80 % sequence identity to, or the full-length coding sequence of, one
 CC of 275 nucleotide sequences, and which encodes a corresponding

CC polypeptide selected from 275 amino acid sequences, where all sequences
 CC are given in the specification. The polypeptide encoded by (I) is used to
 CC detect PRO polypeptides, link a bioactive molecule to a cell expressing a
 CC PRO polypeptide, modulate a biological activity of a cell, stimulate the
 CC release of tumor necrosis factor (TNF)-alpha from human blood, modulate
 CC the uptake of glucose or free fatty acid by cells, stimulate or inhibit
 CC the proliferation or differentiation of cells or gene expression,
 CC stimulate the release of proteoglycans, stimulate the release of cytokine
 CC from peripheral blood mononuclear cells, inhibit the binding of A-peptide
 CC to factor VIIa, or detect the presence of tumour in a mammal. The nucleic
 CC acid and polypeptide encoded by it, are useful for treating inflammatory
 CC diseases, organ failure, atherosclerosis, cardiac injury, infertility,
 CC birth defects, premature aging, acquired immunodeficiency syndrome
 CC (AIDS), cancer, or diabetic complications. The nucleic acid is useful as
 CC hybridisation probes, in chromosome and gene mapping, and in generating
 CC antisense RNA or DNA. The polypeptides are useful as pharmaceuticals,
 CC diagnostics, biosensors or bioreactors. Both are useful in tissue typing.
 CC This is the amino acid sequence of a novel human secreted and
 CC transmembrane PRO polypeptide
 XX
 SQ Sequence 81 AA;
 Query Match 100.0%; Score 442; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2,1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRLIVSSLLCILLRSTSTGKRRPAKAWGRRTRLCRRVPSNLTNKGHVRIC 60
 Db 1 MRLIVSSLLCILLRSTSTGKRRPAKAWGRRTRLCRRVPSNLTNKGHVRIC 60
 QY 61 KPCKLEPRLMVVPGALPOV 81
 Db 61 KPCKLEPRLMVVPGALPOV 81
 RESULT 7
 ABU80944
 ID ABU80944 standard; protein; 81 AA.
 AC ABU80944;
 XX
 DT 23-JUN-2003 (first entry)
 XX
 DE Human PRO polypeptide #75.
 XX
 XX Human; PRO polypeptide; secreted and transmembrane protein;
 KW anti-PRO antibody; diagnostic assay; gene expression; diabetes;
 KW bone disorder; cartilage disorder; rheumatoid arthritis; obesity;
 KW sports injury; osteoarthritis; hyper-insulinaemia; hypo-insulinaemia;
 KW hearing loss; coagulation disorder; stroke; heart attack; cardiac;
 KW antidiabetic; anorectic; vulnery; antialthritic; osteopathic;
 KW antirheumatic; auditory; cerebroprotective; angiogenic.
 XX
 OS Homo sapiens.
 XX
 PN US2003004311-A1.
 XX
 PD 02-JAN-2003.
 XX
 PF 19-DEC-2001; 2001US-00028072.
 XX
 PR 18-JUN-1997; 97US-0049911P.
 PR 26-AUG-1997; 97US-0056974P.
 PR 17-SEP-1997; 97US-0059113P.
 PR 17-SEP-1997; 97US-0059115P.
 PR 17-SEP-1997; 97US-0059117P.
 PR 17-SEP-1997; 97US-0059122P.
 PR 17-SEP-1997; 97US-0059184P.
 PR 18-SEP-1997; 97US-0059263P.
 PR 19-SEP-1997; 97US-0059352P.
 PR 19-SEP-1997; 97US-0059588P.
 PR 24-SEP-1997; 97US-0059836P.
 PR 17-OCT-1997; 97US-0062250P.

PR 17-OCT-1997; 97US-0062285P.
 PR 17-OCT-1997; 97US-0062287P.
 PR 17-OCT-1997; 97US-0063755P.
 PR 24-OCT-1997; 97US-0062814P.
 PR 24-OCT-1997; 97US-0062816P.
 PR 24-OCT-1997; 97US-0063045P.
 PR 24-OCT-1997; 97US-0063082P.
 PR 24-OCT-1997; 97US-0063127P.
 PR 27-OCT-1997; 97US-0063327P.
 PR 27-OCT-1997; 97US-0063329P.
 PR 28-OCT-1997; 97US-0063550P.
 PR 28-OCT-1997; 97US-0063561P.
 PR 29-OCT-1997; 97US-0063704P.
 PR 29-OCT-1997; 97US-0063733P.
 PR 29-OCT-1997; 97US-0063735P.
 PR 29-OCT-1997; 97US-0063738P.
 PR 03-NOV-1997; 97US-0064248P.
 PR 07-NOV-1997; 97US-0064809P.
 PR 12-NOV-1997; 97US-0065186P.
 PR 17-NOV-1997; 97US-0065846P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 24-NOV-1997; 97US-0066453P.
 PR 24-NOV-1997; 97US-0066511P.
 PR 24-NOV-1997; 97US-0066770P.
 PR 11-DEC-1997; 97US-0069212P.
 PR 11-DEC-1997; 97US-0069278P.
 PR 11-DEC-1997; 97US-0069334P.
 PR 16-DEC-1997; 97US-0069694P.
 PR 23-JAN-1998; 98US-0072220P.
 PR 04-FEB-1998; 98US-0073612P.
 PR 09-FEB-1998; 98US-0074086P.
 PR 12-MAR-1998; 98US-0074092P.
 PR 20-MAR-1998; 98US-0077791P.
 PR 25-MAR-1998; 98US-0078910P.
 PR 27-MAR-1998; 98US-0079294P.
 PR 27-MAR-1998; 98US-0079638P.
 PR 31-MAR-1998; 98US-0079728P.
 PR 12-JUN-1998; 98US-0080165P.
 PR 14-JUL-1998; 98US-008014552.
 PR 28-AUG-1998; 98US-00817888.
 PR 10-SEP-1998; 98US-00818824.
 PR 14-SEP-1998; 98US-00819093.
 PR 14-SEP-1998; 98US-00819094.
 PR 14-SEP-1998; 98US-00819177.
 PR 16-SEP-1998; 98US-00819330.
 PR 17-SEP-1998; 98US-00819437.
 PR 07-OCT-1998; 98US-00821141.
 PR 29-OCT-1998; 98US-00822991.
 PR 29-OCT-1998; 98US-00822992.
 PR 20-NOV-1998; 98US-00824855.
 PR 01-DEC-1998; 98US-00825108.
 PR 05-JAN-1999; 99US-00800106.
 PR 08-MAR-1999; 99US-00805028.
 PR 10-MAR-1999; 99US-00805190.
 PR 20-APR-1999; 99US-00808615.
 PR 14-MAY-1999; 99US-00810733.
 PR 02-JUN-1999; 99US-00812252.
 PR 01-SEP-1999; 99US-00820111.
 PR 08-SEP-1999; 99US-00820594.
 PR 13-SEP-1999; 99US-00820944.
 PR 15-SEP-1999; 99US-00821090.
 PR 15-SEP-1999; 99US-00821547.
 PR 05-OCT-1999; 99US-00823089.
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 PR 30-NOV-1999; 99US-00828313.
 PR 30-NOV-1999; 99US-00828409.
 PR 01-DEC-1999; 99US-00828301.
 PR 01-DEC-1999; 99US-00828634.
 PR 02-DEC-1999; 99US-00828551.
 PR 02-DEC-1999; 99US-00828564.
 PR 02-DEC-1999; 99US-00828565.
 PR 16-DEC-1999; 99US-00830095.

PR 20-DEC-1999; 99US-00830911.
 PR 20-DEC-1999; 99US-00830999.
 PR 30-DEC-1999; 99US-00831243.
 PR 30-DEC-1999; 99US-00831274.
 PR 05-JAN-2000; 2000US-00800219.
 PR 06-JAN-2000; 2000US-00800277.
 PR 06-JAN-2000; 2000US-0080376.
 PR 11-FEB-2000; 2000US-00803565.
 PR 18-FEB-2000; 2000US-00804341.
 PR 18-FEB-2000; 2000US-00804342.
 PR 22-FEB-2000; 2000US-00804414.
 PR 24-FEB-2000; 2000US-00804914.
 PR 24-FEB-2000; 2000US-00805004.
 PR 01-MAR-2000; 2000US-00805601.
 PR 02-MAR-2000; 2000US-00805746.
 XX
 PA (GENENTECH INC.
 XX
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerritsen ME, Goddard A, Goddard PU, Gurney AL, Sherwood S,
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z,
 XX
 DR WPI, 2003-352836/33.
 DR N-PSDB; ACA67068.
 XX
 PT New isolated PRO polypeptide useful for treating diabetes, rheumatoid
 PT arthritis, sports injuries, obesity, hearing loss in mammals, stroke, or
 PT heart attack.
 XX
 PS Claim 12; Fig 150; 643pp; English.
 XX
 CC The present invention relates to the isolation of novel human PRO
 CC polypeptides, and the polynucleotide sequences encoding them. The PRO
 CC polypeptides are secreted and transmembrane proteins. The PRO
 CC polypeptides and polynucleotides are useful for preparing a medicament
 CC useful in the treatment of diabetes, bone and/or cartilage disorders
 CC (e.g. rheumatoid arthritis, sports injuries, osteoarthritis), obesity,
 CC hyper- or hypo-insulinaemia, hearing loss, and coagulation disorders
 CC (e.g. stroke, heart attack). Anti-PRO antibodies are useful in diagnostic
 CC assays for PRO, by detecting its expression in specific cells, tissues or
 CC serum, and for affinity purification of PRO from recombinant cell culture
 CC or natural sources. ABUS0870-ABUS1144 represent the human PRO
 CC polypeptides of the invention. Note: The sequence data for this patent
 CC was obtained in electronic format directly from the USPTO web site at
 CC segdata.uspto.gov/psipdb/entry.html
 XX
 SQ Sequence 81 AA;
 Query Match 100.0%; Score 442; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2.1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRLVLSLCTLLCFISFTEGRRAPKAWSGRRTLCCRRVSPSTNKGHHVLC 60
 DB 1 MRLVLSLCTLLCFISFTEGRRAPKAWSGRRTLCCRRVSPSTNKGHHVLC 60
 QY 61 KPCKLEPPRLWVPGALPOV 81
 DB 61 KPCKLEPPRLWVPGALPOV 81
 RESULT 8
 ABUS6644 ID ABUS6644 standard; protein; 81 AA.
 AC ABUS6644;
 XX
 DT 23-MAY-2003 (first entry)
 XX
 DE Human PRO polypeptide #75.
 XX
 KW Human, PRO polypeptide; secreted and transmembrane protein;
 KW tumour necrosis factor-alpha; TNF-alpha; blood; proliferation;

KM differentiation; chondrocyte; tumour; genetic disorder; cytostatic.
 XX
 OS Homo sapiens.
 PN US2003036180-A1.
 PD 20-FEB-2003.
 XX
 PF 09-MAY-2002; 2002US-00143114.
 XX
 PR 31-MAR-1997; 97WO-US005230.
 PR 12-JUN-1998; 98WO-US012456.
 PR 14-JUL-1998; 98WO-US014552.
 PR 28-AUG-1998; 98WO-US017888.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019093.
 PR 14-SEP-1998; 98WO-US019177.
 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019437.
 PR 07-OCT-1998; 98WO-US021141.
 PR 29-OCT-1998; 98WO-US022591.
 PR 29-OCT-1998; 98WO-US022592.
 PR 20-NOV-1998; 98WO-US024855.
 PR 01-DEC-1998; 98WO-US025108.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012352.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 30-NOV-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 22-DEC-1999; 99WO-US030999.
 PR 22-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.

PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00806889.
 PR 22-MAR-2001; 2001US-00816744.
 PR 03-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GENTH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerlitsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI, 2003-332040/31.
 XX
 N-PSDB; ACA03677.
 DR
 PT New secreted and transmembrane PRO nucleic acids, useful for gene
 PT therapy, in chromosome and gene mapping, as chromosome markers, in tissue
 PT typing, and in chromosome identification.
 XX
 XX
 PS Claim 12; Fig 150; 660pp; English.
 PS
 XX
 The present invention relates to the isolation of novel human PRO
 CC polypeptides, and the polynucleotide sequences encoding them. The PRO
 CC polypeptides are secreted and transmembrane proteins. The PRO
 CC polypeptides are useful for detecting other PRO polypeptides, for linking
 CC bioactive molecules to cells expressing PRO polypeptides, for modulating
 CC biological activities of cells expressing PRO polypeptides, and for for
 CC identifying agonists or antagonists. The PRO polypeptides are useful for
 CC for stimulating the release of tumour necrosis factor (TNF)-alpha from
 CC human blood, for stimulating the proliferation or differentiation of
 CC chondrocytes, and detecting the presence of tumours. The polynucleotide
 CC sequences encoding PRO polypeptides are useful as hybridisation probes,
 CC in chromosome and gene mapping, in the generation of antisense RNA and
 CC DNA, in the preparation of PRO polypeptides, for generating transgenic
 CC animals or knockout animals, for the genetic analysis of individuals with
 CC genetic disorders, and in gene therapy. AB06570-AB06644 represent the
 CC human PRO polypeptides of the invention. Note: The sequence data for this
 CC patent was obtained in electronic format directly from the USPTO web site
 CC at seqdata.uspto.gov/psipdsidentry.html
 XX
 SQ Sequence 81 AA;

Query Match 100.0%; Score 442; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 2,1e-43;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLLCILLCFSTFSTGKRRPAKAMSGRRTRLCGRVPSNSTNLKHHVRLC 60
1 MRLIVSSLLCILLCFSTFSTGKRRPAKAMSGRRTRLCGRVPSNSTNLKHHVRLC 60

DB 61 KCKCKLEPRRLMVVPGALPOV 81
61 KCKCKLEPRRLMVVPGALPOV 81

QY 61 KCKCKLEPRRLMVVPGALPOV 81
61 KCKCKLEPRRLMVVPGALPOV 81

DB 61 KCKCKLEPRRLMVVPGALPOV 81
61 KCKCKLEPRRLMVVPGALPOV 81

RESULT 9
ABUS9725
ID ABUS9725 standard; protein; 81 AA.
XX ABUS9725;
AC ABUS9725;
XX
DT 13-MAY-2003 (first entry)
XX
DE Novel secreted and transmembrane protein PRO3446.
XX
XX Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosa; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis.

OS Homo sapiens.
XX
XX US2003017563-A1.
XX
XX 23-JAN-2003.
XX
XX 07-MAY-2002; 2002US-00140808.
XX
XX 31-MAR-1997; 97WO-US05230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US012888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.

PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 11-FEB-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUN-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023528.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US0747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001US-00796520.
PR 01-MAR-2001; 2001US-00806666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001US-00870702.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001US-00874800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001US-00886342.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001US-00887879.
PR 29-JUN-2001; 2001US-00887879.
PR 09-JUL-2001; 2001US-00887879.
PR 18-JUL-2001; 2001US-00887879.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.

XX
XX (GENTH) GENENTECH INC.
XX
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Pilyaroff E, Gao W,
PI Gerltsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX MPI: 2003-148238/14.
DR N-PSDB; ABX89215.
XX
PT Two hundred and seventy five nucleic acids encoding PRO polypeptides,
PT useful for treating pericyte-associated tumors, diabetes and various bone
PT and/or cartilage disorders, e.g. arthritis.
XX
PS Claim 12; Fig 150; 659pp; English.
XX
CC The invention describes an isolated human PRO polypeptide. The PRO
CC polypeptides are useful in detecting PRO polypeptides in a sample, in
CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
CC in modulating at least one biological activity of a cell expressing a PRO
CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
CC PRO943, PRO828, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
CC useful for treating conditions or disorders where angiogenesis would be
CC beneficial, e.g. wound healing and antagonist of this polypeptide are
CC useful for treating cancerous tumors. PRO812 inhibits vascular
CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
CC cells and is thus useful for inhibiting endothelial cell growth in
CC mammals which would be beneficial in inhibiting tumor growth. PRO826,
CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
CC stimulated T-lymphocytes and are therapeutically useful for enhancing
CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
CC rod photoreceptor cells) and therefore are useful for treating retinal
CC disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
CC and PRO1066 induce proliferation of mammalian kidney mesangial cells,
CC and therefore are useful for treating kidney disorders associated with
CC decreased mesangial cell function such as Berger disease or other
CC nephropathies associated with dermatitis, herpetiformis or Crohn's
CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
CC proliferation and/or redifferentiation of chondrocytes in culture and are
CC thus useful for treating sports injuries, and arthritis. This is the
CC amino acid sequence of a novel human PRO protein
SQ
Sequence 81 AA:
Query Match 100.0%; Score 442; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 2.1e-43;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRLVLSLLCILLCFSTEGKRRPAKAMSGRRTRLCCHVPSNSTNLKGHVRLC 60
DB 1 MRLVLSLLCILLCFSTEGKRRPAKAMSGRRTRLCCHVPSNSTNLKGHVRLC 60
QY 61 KPCKLEPRLWVPGALPGV 81
DB 61 KPCKLEPRLWVPGALPGV 81
RESULT 10
ABO24915
ID ABO24915 standard; protein; 81 AA.
XX
AC ABO24915;
XX
DT 05-SEP-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) #75.
XX
KM Human: PRO; secreted protein; transmembrane protein; tumour; cytosolic;
KM gene therapy; tumour necrosis factor-alpha; TNF-alpha; blood;
KM proteoglycan; cartilage; cytokine; peripheral blood mononuclear cell;
KM BMDG; glucose uptake; FFA; skeletal muscle cell; adipocyte cell;
KM chondrocyte cell proliferation; chondrocyte cell differentiation;
KM pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;
KM endothelial cell; A-peptide; factor VIIA.

XX OS Homo sapiens.
XX PN US2003036179-A1.
XX
XX 20-FEB-2003.
XX
PF 10-MAY-2002; 2002US-00142431.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.

PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US010952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 01-MAR-2001; 2001WO-US006520.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 05-JUN-2001; 2001WO-US017800.
 PR 14-JUN-2001; 2001US-00874503.
 PR 19-JUN-2001; 2001US-00882636.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GENTH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerlitsen ME, Goddard A, Godowski PJ, Gurney AL, Sherrwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2003-466355/44.
 DR N-PSDB; ACD41669.
 XX
 PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or
 PT PRO978; useful in molecular biology, chromosome and gene mapping, in
 PT generating antisense RNA and DNA, and in gene therapy.
 XX
 PS Claim 12; Fig 150; 659pp; English.
 XX

CC The invention relates to an isolated nucleic acid comprising at least 80%
 CC sequence identity to a PRO (secreted and transmembrane protein) cDNA
 CC comprising a nucleic acid (a) encoding a PRO polypeptide, or its
 CC extracellular domain (with or without its associated signal peptide),
 CC which comprises any of the 275 120-850 residue amino acid sequences,
 CC given in the specification; (b) comprising any of the 275 300-3500
 CC nucleotide sequences, given in the specification; or (c) comprising the
 CC full-length coding sequence of the nucleotide sequences given in the
 CC specification, or of the DNA deposited under any of the American Type
 CC Culture Collection (ATCC) Accession Numbers listed in the specification.
 CC Also included are a vector comprising the novel nucleic acid, a host cell
 CC comprising the vector, producing a PRO polypeptide, the isolated PRO
 CC polypeptides detailed above, a chimeric molecule comprising the PRO
 CC polypeptide of fused to a heterologous amino acid sequence, an anti-PRO
 CC antibody, detecting a PRO polypeptide in a sample suspected of containing
 CC the PRO polypeptide, linking a bioactive molecule to a cell expressing a
 CC PRO polypeptide, modulating at least one biological activity of a cell
 CC expressing a PRO polypeptide, stimulating the release of tumor necrosis
 CC factor-alpha (TNF-alpha) from human blood, (or proteoglycans from
 CC cartilage or cytokine from peripheral blood mononuclear cells (PBMC)),
 CC modulating the uptake of glucose or FFA by skeletal muscle cells or
 CC adipocyte cells, stimulating the proliferation or differentiation of

CC chondrocyte cells (or proliferation of or gene expression in pericyte
 CC cells), stimulating the proliferation of inner ear utricular supporting
 CC cells (or of T-lymphocyte cells, or of endothelial cells), inhibiting the
 CC binding of A-peptide to factor VIIA, or differentiation of adipocyte
 CC cells, detecting the presence of a tumour in a mammal and an
 CC oligonucleotide probe derived from any of the nucleotide sequences given
 CC in the specification. The polynucleotide is useful in molecular biology,
 CC including uses as hybridisation probes, in chromosome and gene mapping,
 CC in generating antisense RNA and DNA, and in gene therapy. The
 CC polynucleotide may also be used in preparing PRO polypeptides by
 CC recombinant techniques, and in generating either transgenic animals or
 CC knock-out animals which, in turn, are useful in the development and
 CC screening of therapeutically useful reagents. The PRO polypeptide or the
 CC antibody is used in preparing a medicament for treating a condition
 CC responsive to the polypeptide or antibody, such as tumours, and in
 CC various diagnostic assays. The present sequence represents a PRO
 CC polypeptide
 XX
 SQ Sequence 81 AA;

Query Match 100.0%; Score 442; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2,1e-43; Mismatches 0; Gaps 0;
 Matches 81; Conservative 0; Indels 0;

Qy 1 MRLVLSILCTLLCFISFTGGRPAKWSGRTRLCRRVSPNSTNLKGHVRLC 60
 Db 1 MRLVLSILCTLLCFISFTGGRPAKWSGRTRLCRRVSPNSTNLKGHVRLC 60

Qy 61 KKKLEPEPRLMVVPALPOV 81
 Db 61 KKKLEPEPRLMVVPALPOV 81

Result 11

AB066920

ID AB066920 standard; protein; 81 AA.

XX AC AB066920;

XX DT 27-MAY-2003 (first entry)

XX DE Human secreted/transmembrane, PRO, protein SEQ ID 150.

XX KW Human; secreted protein; transmembrane protein; PRO;

XX KW inflammatory disease; organ failure; atherosclerosis; cardiac injury;

XX KW infertility; birth defects; premature aging; AIDS; biosensor;

XX KW acquired immunodeficiency syndrome; cancer; diabetic complication;

XX KW bioreactor; tumour.

XX OS Homo sapiens.

XX PN US2003032155-A1.

XX PD 13-FEB-2003.

XX PF 03-MAY-2002; 2002US-00137865.

XX PR 31-MAR-1997; 97WO-US005230.

XX PR 12-JUN-1996; 96WO-US012456.

XX PR 14-JUL-1996; 96WO-US014552.

XX PR 28-AUG-1996; 96WO-US017888.

XX PR 10-SEP-1996; 96WO-US018824.

XX PR 14-SEP-1996; 96WO-US019093.

XX PR 14-SEP-1996; 96WO-US019094.

XX PR 14-SEP-1996; 96WO-US019177.

XX PR 16-SEP-1996; 96WO-US019310.

XX PR 17-SEP-1996; 96WO-US019437.

XX PR 07-OCT-1996; 96WO-US021141.

XX PR 29-OCT-1996; 96WO-US022992.

XX PR 29-OCT-1996; 96WO-US022992.

XX PR 20-NOV-1996; 96WO-US024855.

XX PR 01-DEC-1996; 96WO-US025108.

XX PR 05-JAN-1999; 99WO-US000106.

PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 30-NOV-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030939.
 PR 22-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 05-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US000365.
 PR 18-FEB-2000; 2000WO-US000431.
 PR 22-FEB-2000; 2000WO-US000432.
 PR 24-FEB-2000; 2000WO-US000414.
 PR 24-FEB-2000; 2000WO-US000504.
 PR 01-MAR-2000; 2000WO-US000501.
 PR 02-MAR-2000; 2000WO-US000541.
 PR 02-MAR-2000; 2000WO-US000584.
 PR 10-MAR-2000; 2000WO-US000631.
 PR 15-MAR-2000; 2000WO-US000684.
 PR 20-MAR-2000; 2000WO-US000777.
 PR 21-MAR-2000; 2000WO-US000732.
 PR 30-MAR-2000; 2000WO-US000839.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 23-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US074725.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 14-MAR-2001; 2001US-00802706.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886542.

PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00026072.

XX (GENTH) GENENTECH INC.

XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;

PI Garlitsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-331925/31.

DR N-PSDB; ACA04098.

PT New secreted and transmembrane nucleic acids and polypeptides, designated as PRO, useful for treating inflammation, organ failure, atherosclerosis, cardiac injury, infertility, birth defects, premature aging, AIDS, or cancer.

PT Claim 12; Fig 150; 659pp; English.

XX The invention relates to an isolated nucleic acid comprising, or which is at least 80% identical to, or the full-length coding sequence of, any of the 275 nucleotide sequences, encoding the corresponding PRO polypeptide (one of 275 secreted or transmembrane proteins). The nucleic acid further comprises the full-length coding sequence of the DNA deposited under CC American Type Culture Collection (ATCC) accession number in a list given in the specification. Also included are vectors and host cells for CC producing PRO proteins, PRO fusion proteins, anti-PRO antibodies, PRO CC extracellular domains and mature sequences, methods of detecting PRO CC proteins, methods for stimulating the release of TNF-alpha (tumour CC necrosis factor alpha) from human blood, (and the proliferation of CC differentiation of chondrocyte cells, the release or proteoglycans from CC cartilage, proliferation of inner ear utricular supporting cells, the CC proliferation of T-lymphocyte cells, the release of a cytokine from CC peripheral blood mononuclear cells (PBMC), or the proliferation of CC endothelial cells), a method for modulating the uptake of glucose or free fatty acid (FRA) by skeletal muscle cells, a method for inhibiting the CC binding of A-peptide to factor VIIA, or the differentiation of adipocyte CC cells, a method for detecting the presence of a tumour in a mammal and an CC oligonucleotide probe derived from any of the nucleotide sequences cited CC above. The nucleic acids and polypeptides are useful for treating CC inflammatory diseases, organ failure, atherosclerosis, cardiac injury, CC infertility, birth defects, premature aging, AIDS (acquired CC immunodeficiency syndrome), cancer, or diabetic complications. The CC nucleic acids are useful as hybridisation probes, in chromosome and gene CC mapping, and in generating antisense RNA or DNA. The polypeptides are CC useful as pharmaceuticals, diagnostics, biosensors or biotransformers. Both CC are useful in tissue typing. The present sequence represents a PRO CC protein of the invention

SQ Sequence 81 AA;

Query Match 100.0%; Score 442; DB 6; Length 81;

Best Local Similarity 100.0%; Pred. No. 2,1e-43; Mismatches 0; Gaps 0;

Matches 81; Conservative 0; Mismatches 0; Indels 0;

QY 1 MRLIVSSLLCILLCFSTFTEGRRPAKAWGRRTRLCCHRVPPSPNINLKGHHVRLC 60
 DB 1 MRLIVSSLLCILLCFSTFTEGRRPAKAWGRRTRLCCHRVPPSPNINLKGHHVRLC 60
 QY 61 KPCKLEPRLWVVPALPOV 81
 DB 61 KPCKLEPRLWVVPALPOV 81

```
RESULT 12
ADAL1060
ID ADAL1060 standard; protein; 81 AA.
XX
AC ADAL1060;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human cDNA differentially expressed in colon cancer #126 product.
XX
KM differential expression; colon cancer; cancer; human.
XX
OS Homo sapiens.
XX
PN US2002160382-A1.
XX
PD 31-OCT-2002.
XX
PF 11-OCT-2001; 2001US-00981353.
XX
PR 11-OCT-2000; 2000US-0239841P.
XX
PA (LASEK/) LASEK A W.
PA (JONES/) JONES D A.
PI Lasek AW, Jones DA;
XX
DR WPI: 2003-265756/26.
DR N-PSDB; ADAL1059.
XX
PT New combination comprising cDNAs that are differentially expressed in
PT colon disorder, useful for diagnosing, treating, staging or monitoring
PT treatment for colon cancers.
XX
PS Claim 14; SEQ ID NO 178; 231pp; English.
XX
XX The invention relates to a combination comprising cDNAs that are
CC differentially expressed in colon disorder. The methods and compositions
CC of the present invention are useful for diagnosing, treating, staging or
CC monitoring treatment for colon cancer. They are also useful in high
CC throughput methods for using cDNAs to detect differential expression of
CC nucleic acids in a sample, screening molecules or compounds to identify a
CC ligand which specifically binds a cDNA and using a protein to screen
CC molecules or compounds to identify at least one ligand which specifically
CC binds the protein. The present sequence represents the amino acid
CC sequence of a human cDNA differentially expressed in colon cancer
CC protein.
XX
SQ Sequence 81 AA;
XX
Query Match 100.0%; Score 442; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 2.1e-43;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRLVLVSLILCLLFCSTFSTEGKRRPAKAWSGRRTRLCCHRVSPNSTNKGHHVRLC 60
DB 1 MRLVLVSLILCLLFCSTFSTEGKRRPAKAWSGRRTRLCCHRVSPNSTNKGHHVRLC 60
QY 61 KPCCKLEPRLVWVPGALPOV 81
DB 61 KPCCKLEPRLVWVPGALPOV 81
RESULT 13
ADA45669
ID ADA45669 standard; protein; 81 AA.
XX
AC ADA45669;
XX
DT 20-NOV-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO3446.
XX
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KW Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW glucose uptake modulator; FFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;
KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.
XX
OS Homo sapiens.
XX
PN US2003022328-A1.
XX
PD 30-JAN-2003.
XX
PF 16-APR-2002; 2002US-00123904.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028213.
PR 30-NOV-1999; 99WO-US028314.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
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PR 21-MAR-2000; 2000MO-US007532.
 PR 30-MAR-2000; 2000MO-US008439.
 PR 17-MAY-2000; 2000MO-US013705.
 PR 22-MAY-2000; 2000MO-US014042.
 PR 30-MAY-2000; 2000MO-US014941.
 PR 02-JUN-2000; 2000MO-US015264.
 PR 28-JUL-2000; 2000MO-US020710.
 PR 11-AUG-2000; 2000MO-US022031.
 PR 23-AUG-2000; 2000MO-US023522.
 PR 24-AUG-2000; 2000MO-US023528.
 PR 08-NOV-2000; 2000MO-US030952.
 PR 10-NOV-2000; 2000MO-US030873.
 PR 01-DEC-2000; 2000MO-US032678.
 PR 20-DEC-2000; 2000MO-US047259.
 PR 20-DEC-2000; 2000MO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001MO-US006520.
 PR 01-MAR-2001; 2001MO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00806689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 18-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001MO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001MO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001MO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001MO-US020116.
 PR 29-JUN-2001; 2001MO-US021066.
 PR 09-JUL-2001; 2001MO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-0092796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX (GETH) GENENTECH INC.
 PA Baker KP, Bersani M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Geritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tunas D, Watanabe CK, Wood WI, Zhang Z;
 DR WPI, 2003-584997/55.
 DR N-PSDB; ADA45668.
 XX Novel secreted and transmembrane polypeptide for modulating biological
 PT activity of cell expressing the polypeptide, identifying agonists or
 PT antagonists of polypeptide, and as molecular weight markers.
 XX Claim 12; Fig 150; 659PD; English.

CC are useful for isolating genomic and cDNA nucleotide sequences or
 CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
 CC in assays to identify other proteins or molecules involved in binding
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
 CC and gene mapping, in generation of antisense RNA and DNA, in the
 CC preparation of PRO polypeptide, for generating transgenic animals or
 CC knockout animals which in turn are useful in the development and
 CC screening of therapeutically useful reagents, in gene therapy, for
 CC chromosome identification, as chromosome marker, and for generating
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
 CC detecting its expression in specific cells, tissues or serum, and for
 CC affinity purification of PRO from recombinant cell culture or natural
 CC sources. (I) and (II) are useful for tissue typing. This is the amino
 CC acid sequence of a novel human secreted and transmembrane PRO
 CC polypeptide.
 XX SQ Sequence 81 AA;
 Query Match 100.0%; Score 442; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2, 1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRLVLSLLCILLCFSTEGKRRPAKAWGRRTRLCCHRVSPNSNTLKGHYRLC 60
 DB 1 MRLVLSLLCILLCFSTEGKRRPAKAWGRRTRLCCHRVSPNSNTLKGHYRLC 60
 QY 61 KPCKLBPRLMVPVPGALPGV 81
 DB 61 KPCKLBPRLMVPVPGALPGV 81
 RESULT 14
 ID ADA76100 standard; protein; 81 AA.
 XX ADA76100;
 AC 20-NOV-2003 (first entry)
 DT Human PRO polypeptide #75.
 XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KW liver; microvascular endothelial cell; glucose; FFA;
 KW skeletal muscle cell; adipocyte cell; pericyte cell;
 KW inner ear utricular supporting cell; T-lymphocyte cell;
 KW endothelial cell tube formation; bone disorder; cartilage disorder;
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KW immune system cell infiltration.
 XX Homo sapiens.
 OS US2003073212-A1.
 PN 17-APR-2003.
 XX 16-APR-2002; 2002US-00123903.
 PF 31-MAR-1997; 97MO-US005230.
 PR 12-JUN-1998; 98MO-US012456.
 PR 14-JUL-1998; 98MO-US014552.
 PR 28-AUG-1998; 98MO-US017888.
 PR 10-SEP-1998; 98MO-US018824.
 PR 14-SEP-1998; 98MO-US019093.
 PR 14-SEP-1998; 98MO-US019094.
 PR 14-SEP-1998; 98MO-US019177.
 PR 16-SEP-1998; 98MO-US019330.
 PR 17-SEP-1998; 98MO-US019437.
 PR 07-OCT-1998; 98MO-US021141.
 PR 29-OCT-1998; 98MO-US022991.
 PR 29-OCT-1998; 98MO-US022992.

PR 20-NOV-1998; 98WO-US024855.
 PR 01-DEC-1998; 98WO-US025108.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 01-DEC-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 02-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 16-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030955.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 22-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007332.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 18-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US010922.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.

PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.

XX (GENTECH) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerlitsen ME, Goddard A, Godowski PJ, Gunney AU, Sherwood S,
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX MPI: 2003-687639/65.
 DR N-PSDB; ADA76099.

PT New isolated nucleic acid encoding a secreted and transmembrane
 PT polypeptide, designated e.g. PRO114 or PRO4978, useful in chromosome and
 gene mapping, in generating antisense RNA and DNA, and in gene therapy.

XX Claim 12; Fig 150; 65pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems.
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC USPTO at seqdata.uspto.gov/sequence.html.

XX Sequence 81 AA;

Query Match 100.0%; Score 442; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2,1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSILCTLLICFSIFSTEGKRRPAKAMSGRRTRLCRRVSPNSTNKGHHVRLC 60
 DB 1 MRLVLSILCTLLICFSIFSTEGKRRPAKAMSGRRTRLCRRVSPNSTNKGHHVRLC 60

invention also relates to an antibody which specifically binds to a PRO polypeptide, a method for stimulating the release of tumour necrosis factor- α (TNF- α) from human blood, a method for stimulating the proliferation or differentiation of Chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. lung, colon, breast, prostate, rectal, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for modulating the uptake of glucose or FFA by adipocyte cells, for stimulating the proliferation of or gene expression in pericyte cells, for stimulating the release of proteoglycans from cartilage, for stimulating the proliferation of inner ear utricular supporting cells, for stimulating the release of cytokines from PMNC cells, for inhibiting the binding of A-peptide to factor VIIa, for inhibiting the differentiation of adipocyte cells and for stimulating the proliferation of endothelial cells. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at seqdata.uspto.gov/sequence.htm.

SQ Sequence 81 AA;

Query Match	100.0%	Score 442	DB 6	Length 81
Best Local Similarity	100.0%	Pred. 2.1e-43		
Matches 81; Conservative	0	Mismatches 0	Indels 0	Gaps 0

Qy	Dy	Dz	Qz
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3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
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14	14	14	14
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16	16	16	16
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18	18	18	18
19	19	19	19
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92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

Search completed: May 3, 2005, 20:58:38
Job time : 82.8913 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 3, 2005, 20:38:54 ; Search time 17.0217 Seconds

(without alignments)
457.859 Million cell updates/sec

Title: US-09-724-000A-5

Perfect score: 442

Sequence: 1 MRLVLVSSLCLILLCFSIF.....PCKLPEPRLMVVPALPV 81

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

1: PIR 79:.*
2: p1r2:.*
3: p1r3:.*
4: p1r4:.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	69	15.6	875	1	A48719	3',5'-cyclic-GMP P
2	66.5	15.0	462	1	Q0BBD4	HHRF4 protein - hu
3	65.5	14.8	509	2	C85169	cytochrome P450 11
4	65.5	14.8	515	2	H71417	cytochrome P450 -
5	63	14.3	197	2	AE2905	2'-5' RNA ligase 1
6	63	14.3	212	2	F97680	hypothetical 35.7K
7	62.5	14.1	146	2	A36302	submaxillary prote
8	62	14.0	586	2	S59301	homochallid switch
9	61.5	13.9	146	2	I53030	submaxillary prote
10	61.5	13.9	211	2	E70233	hypothetical prote
11	61	13.8	154	2	S58075	probable olfactory
12	61	13.8	165	2	H84634	hypothetical prote
13	61	13.8	261	2	U00137	hypothetical 30.1K
14	61	13.8	622	2	S63539	GABA/beta-alanine
15	60.5	13.7	225	2	S45356	probable serine pr
16	60.5	13.7	247	2	S58394	myelin/oligodendro
17	60.5	13.7	287	2	A11072	conserved hypochet
18	60.5	13.7	377	2	A48018	mucin 7 precursor,
19	60.5	13.7	782	2	I48746	semaphorin C - mou
20	60.5	13.7	862	2	I49583	differentiation an
21	60.5	13.7	868	2	A46512	CD22 homolog/B lym
22	60	13.6	477	2	A34369	t-plasminogen acti
23	60	13.6	477	2	J50598	t-plasminogen acti
24	60	13.6	477	2	T47373	hypothetical prote
25	60	13.6	1055	2	T05663	hypothetical prote
26	59.5	13.5	117	2	F82256	hypothetical prote
27	59.5	13.5	461	2	A82240	hypothetical prote
28	59.5	13.5	878	2	T17245	hypothetical prote
29	59.5	13.5	1172	2	A42587	thrombospondin 2 p

30	59.5	13.5	1210	1	Q0H0E	epidermal growth f
31	59	13.3	55	2	E58892	H+-transporting tw
32	59	13.3	157	2	S58002	probable olfactory
33	59	13.3	157	2	D81049	hypothetical prote
34	59	13.3	172	2	B81828	hypothetical integ
35	59	13.3	391	2	E83352	methanesulphonate s
36	59	13.3	391	2	I50702	transcription fact
37	59	13.3	403	2	T49003	protein kinase-lik
38	59	13.3	477	2	J50597	t-plasminogen acti
39	59	13.3	537	2	D86299	hypothetical prote
40	59	13.3	543	2	B54424	acrosomal protein
41	58.5	13.2	114	2	T02374	finger protein BBF
42	58.5	13.2	130	2	S30008	hypothetical prote
43	58.5	13.2	548	2	AG0304	probable BCCR-fam
44	58.5	13.2	616	2	A40595	methylmalonyl-CoA
45	58	13.1	76	2	T43204	hypothetical prote

ALIGNMENTS

RESULT 1
A48719
3',5'-cyclic-GMP phosphodiesterase (EC 3.1.4.35) 5A - bovine
N:Alternate names: PDE5A1
C:Species: Bos primigenius taurus (cattle)
C>Date: 26-Aug-1999 #sequence_revision 26-Aug-1999 #text_change 26-Aug-1999
C:Accession: A48719; A35807
R:McAllister-Lucas, L.W.; Sonnenburg, W.K.; Kadlecsek, A.; Seger, D.; Le Trong, H.; Colb.
J. Biol. Chem. 268, 22863-22873, 1993
A:Title: The structure of a bovine lung cGMP-binding, cGMP-specific phosphodiesterase d
A:Reference number: A48719; PMID:94043054; PMID:8226796
A:Accession: A48719
A:Molecule type: protein
A:Residues: 1-875 <MCA>
A:Cross-references: GB:I16545
A:Experimental source: lung
R:Thomas, M.K.; Francis, S.H.; Corbin, J.D.
J. Biol. Chem. 265, 14971-14978, 1990
A:Title: Substrate- and kinase-directed regulation of phosphorylation of a cGMP-binding
A:Reference number: A35807; PMID:9036872; PMID:2168396
A:Accession: A35807
A:Molecule type: protein
A:Residues: 90-101 <THO>
C:Superfamily: 3',5'-cyclic-GMP phosphodiesterase 5A; 3',5'-cyclic-nucleotide phosphodi
C:Keywords: alternative splicing; cGMP binding; phosphoprotein; phosphoric diester hydr
F:602-825/Domain: 3',5'-cyclic-nucleotide phosphodiesterase homology <CNP>
F:92/Binding site: phosphate (Ser) (covalent) (by cGMP-dependent kinase) #status predicti

Query Match 15.6%; Score 69; DB 1; Length 875;
Best Local Similarity 36.1%; Pred. No. 11;
Matches 22; Conservative 4; Mismatches 27; Indels 8; Gaps 5;

QY 17 FSIFSTGKKRPKAWSGRRTRLCRRVPSPNSTNKGHHVRLCKPCKLPEPRLT-VWVP 75
DB 32 FSIYFKKGTREMNANFAFV----HTIPVCKE-GIKG-HTSCS-CPLQSPRAESVSP 84

QY 76 G 76
DB 85 G 85

RESULT 2
Q0BBD4
HHRF4 protein - human cytomegalovirus (strain AD169)
N:Alternate names: hypothetical protein US29
C:Species: human cytomegalovirus, human herpesvirus 5
C>Date: 30-Sep-1989 #sequence_revision 30-Sep-1989 #text_change 09-Jul-2004
C:Accession: D27216; S08943
R:Weston, K.; Bartell, B.G.
J. Mol. Biol. 192, 177-208, 1986
A:Title: Sequence of the short unique region, short repeats, and part of the long repeat
A:Reference number: A92935; PMID:87169717; PMID:3031311

A:Accession: D27216
A:Molecule type: DNA
A:Residues: 1-462 <MES>
A:Cross-references: UNIPROT:P09705; EMBL:X04650; NID:g59801; PIDD:CAA28339.1; PID:g59808
A:Experimental source: Strain AD169
R:Chen, M.S.; Bankier, A.T.; Beck, S.; Bohni, R.; Brown, C.M.; Cerny, R.; Horsnell, T.; M.; Barrell, B.G.
Curr. Top. Microbiol. Immunol. 154, 125-169, 1990
A:Title: Analysis of the protein-coding content of the sequence of human cytomagalovirus
A:Reference number: S09743; MUID:90269039; PMID:2161119
A:Accession: S09943
A:Molecule type: DNA
A:Status: nucleic acid sequence not shown; translation not shown
A:Residues: 1-462 <CHE>
A:Cross-references: EMBL:X17403; NID:g59591; PIDD:CAA35261.1; PID:g1780960
A:Experimental source: strain AD169
A:Note: this sequence was submitted to the EMBL Data Library, December 1989
C:Genetics:
A:Gene: HHRF4
C:Superfamily: cytomagalovirus HHRF4 protein

Query Match 15.0%; Score 66.5; DB 1; Length 462;
Best Local Similarity 25.8%; Pred. No. 12;
Matches 23; Conservative 7; Mismatches 42; Indels 17; Gaps 3;

QY 4 LVLVSSLLCTLLC-----FSIFSTGKRRPAKAMS-----GRRRLCCHR---VPS 46
DB 258 LCVDLIVCYLLALLLLELVPEAVRHPLLFRRVALSPSTSKVDRAYLCLRRFGGLP 317

QY 47 PNSTNLKGNHVRICKPKCKLEPPRLWVP 75
DB 318 PPSVAPGGEKKELPQAALSPPLTTWSLP 346

RESULT 3
C85169
Cytochrome P450 like protein [imported] - Arabidopsis thaliana
C:Species: Arabidopsis thaliana (mouse-ear creess)
C:Date: 16-Feb-2001 #sequence_revision 16-Feb-2001 #text_change 09-Jul-2004
C:Accession: C85169
R:Anonymous, The European Union Arabidopsis Genome Sequencing Consortium, The Cold Spring Nature 402, 769-777, 1999
A:Title: Sequence and analysis of chromosome 4 of the plant Arabidopsis thaliana.
A:Reference number: A85001; MUID:20083468; PMID:10617198
A:Accession: C85169
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-509 <STO>
A:Cross-references: UNIPROT:Q23391; GB:NC_001268; NID:g5280993; PIDD:CAA45998.1; GSPDB:C
C:Genetics:
A:Gene: d13720W
A:Map position: 4
C:Superfamily: human cytochrome P450 CYP2D6; cytochrome P450 homology

Query Match 14.8%; Score 65.5; DB 2; Length 509;
Best Local Similarity 30.6%; Pred. No. 16;
Matches 19; Conservative 9; Mismatches 11; Indels 23; Gaps 3;

QY 1 MRLVLSLLCTLL-LICFSIF-----STEGKRRPAKAMSGRRRLCCHRVSPNSTNLK 53
DB 1 MAVLIIFILLCLSLFLCYSLFFMKPKXSRDGRDLF-----PSPPLPII 44

QY 54 GH 55
DB 45 GH 46

RESULT 4
H71417
Cytochrome P450 - Arabidopsis thaliana
C:Species: Arabidopsis thaliana (mouse-ear creess)
A:Variety: Columbia
C:Date: 03-Aug-1998 #sequence_revision 03-Aug-1998 #text_change 09-Jul-2004

C:Accession: H71417
R:Bevan, M.; Bancroft, I.; Bent, E.; Love, K.; Goodman, H.; Dean, C.; Bergkamp, R.; Dirk P.; Wedler, H.; Wedler, E.; Mambutt, R.; Weitzenecker, T.; Pohl, T.M.; Terry, N.; Giel vanagh, T.; Hempel, S.; Kotter, P.; Ertian, K.D.; Rieger, M.; Schaeffer, M.; Funk, B.
Nature 391, 485-488, 1998
A:Author: Mueller-Auer, S.; Silvey, M.; James, R.; Montfort, A.; Pons, A.; Puigdomenech ethoff, A.; Moores, T.; Jones, J.D.G.; Eneva, T.; Palme, K.; Benes, V.; Rechman, S.; Ans C.; Chalatzis, N.
A:Title: Analysis of 1.9 Mb of contiguous sequence from chromosome 4 of Arabidopsis thal
A:Reference number: A71400; MUID:98121113; PMID:9461215
A:Accession: H71417
A:Molecule type: DNA
A:Status: preliminary; nucleic acid sequence not shown; translation not shown
A:Residues: 1-515 <BEV>
A:Cross-references: UNIPROT:Q23391; GB:Z97338; NID:g2244870
C:Genetics:
A:Map position: 4COP9-4G3845
C:Superfamily: human cytochrome P450 CYP2D6; cytochrome P450 homology
F:308-476/Domain: cytochrome P450 homology <P45>

Query Match 14.8%; Score 65.5; DB 2; Length 515;
Best Local Similarity 30.6%; Pred. No. 16;
Matches 19; Conservative 9; Mismatches 11; Indels 23; Gaps 3;

QY 1 MRLVLSLLCTLL-LICFSIF-----STEGKRRPAKAMSGRRRLCCHRVSPNSTNLK 53
DB 1 MAVLIIFILLCLSLFLCYSLFFMKPKXSRDGRDLF-----PSPPLPII 44

QY 54 GH 55
DB 45 GH 46

RESULT 5
AE2905
2'-5' RNA ligase ligR [imported] - Agrobacterium tumefaciens (strain C58, Dupont)
C:Species: Agrobacterium tumefaciens
C:Date: 11-Jan-2002 #sequence_revision 11-Jan-2002 #text_change 12-Jul-2004
R:Wood, D.W.; Setubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Y.; Moo, L. etage, G.; Gillet, W.; Grant, C.; Guenther, D.; Kutayav, T.; Levy, R.; Li, M.; McClellan; Kary, P.; Romero, P.; Zhang, S.
Science 294, 2317-2323, 2001
A:Authors: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; Krespan, W.; Perry, M.; Gordon-Kamm, ster, E.W.
A:Title: The Genome of the Natural Genetic Engineer Agrobacterium tumefaciens C58.
A:Reference number: AB2577; MUID:21608550; PMID:11743193
A:Accession: AE2905
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-197 <KUR>
A:Cross-references: UNIPROT:O8UC20; GB:AE008688; PIDD:AAU43659.1; PID:g17741183; GSPDB:C
A:Experimental source: strain C58 (Dupont)
C:Genetics:
A:Gene: ligR
A:Map position: circular chromosome
C:Superfamily: 2'-5' RNA ligase, prokaryotic ligR type

Query Match 14.3%; Score 63; DB 2; Length 197;
Best Local Similarity 29.8%; Pred. No. 14;
Matches 14; Conservative 7; Mismatches 18; Indels 8; Gaps 1;

QY 24 GKRPAKAMSGRRRLCCHRVSPNSTNLKGNHVRICKPKCKLEPPR 70
DB 77 GSKRPHSIMAGVS-----PSPPMALQAEVERICQRTIGLPDDR 115

RESULT 6
F97680
Hypothetical 35.7K protein in mala 3'region (orf1) [imported] - Agrobacterium tumefaciens
C:Species: Agrobacterium tumefaciens
C:Date: 30-Sep-2001 #sequence_revision 30-Sep-2001 #text_change 12-Jul-2004
C:Accession: F97680

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 3, 2005, 18:40:39 ; Search time 54.1087 Seconds

(without alignments)
407.427 Million cell updates/sec

Title: US-09-724-000A-6

Perfect score: 326
Sequence: 1 KRPPAKAMSGRRRTLCGRV.....PCKLEPPRLMVPVPGALPQV 57

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : A_Geneseq_16Dec04:*

1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	326	100.0	57	5	AAE16482
2	326	100.0	81	4	AAB90558
3	326	100.0	81	4	AAU12246
4	326	100.0	81	5	ABG65411
5	326	100.0	81	5	AAE16481
6	326	100.0	81	5	ADG79531
7	326	100.0	81	6	ABO17690
8	326	100.0	81	6	ABU80944
9	326	100.0	81	6	ABU86644
10	326	100.0	81	6	ABU59725
11	326	100.0	81	6	ABO24915
12	326	100.0	81	6	ABU66920
13	326	100.0	81	6	ADA11060
14	326	100.0	81	6	ADA45669
15	326	100.0	81	6	ADA76100
16	326	100.0	81	6	ADA18750
17	326	100.0	81	6	ADA61373
18	326	100.0	81	6	ADB19158
19	326	100.0	81	6	ADB27699
20	326	100.0	81	6	ADA86178
21	326	100.0	81	6	ADB15742
22	326	100.0	81	6	ADA47528
23	326	100.0	81	6	ADA67323
24	326	100.0	81	6	ADB30330
25	326	100.0	81	6	ADA85626

26	326	100.0	81	6	ADA96838
27	326	100.0	81	6	ADA79142
28	326	100.0	81	6	ADA87281
29	326	100.0	81	6	ADB16483
30	326	100.0	81	6	ADA91575
31	326	100.0	81	6	ADB14638
32	326	100.0	81	6	ADB18599
33	326	100.0	81	6	ADA93814
34	326	100.0	81	6	ADB19710
35	326	100.0	81	6	ADB13022
36	326	100.0	81	6	ABO43223
37	326	100.0	81	6	ADA74276
38	326	100.0	81	6	ADB24509
39	326	100.0	81	6	ADA82032
40	326	100.0	81	6	ADA74996
41	326	100.0	81	6	ADA85074
42	326	100.0	81	6	ADA84522
43	326	100.0	81	6	ADB29778
44	326	100.0	81	6	ADA80306
45	326	100.0	81	6	ADA75548

ALIGNMENTS

RESULT 1	AAE16482	standard; peptide; 57 AA.
ID	AAE16482	
AC	AAE16482;	
XX		
DT	09-APR-2002	(first entry)
XX		
DE	Human Secreted epithelial colon stromal-1 (Secs-1) protein fragment.	
XX		
KW	Secreted epithelial colon stromal-1; Secs-1; gene therapy; osteoporosis; haematopoietic disorder; osteoporosis; osteogenesis imperfecta; cachexia; Paget's disease; periodontal disease; hypercalcaemia; glomerulonephritis; diabetes; obesity; osteopathic; cytostatic; nephrotoxic; antidiabetic; anorectic; immunomodulator; antipsoriatic; vulnery; antifertility; gynaecological; antiulcer; antiinflammatory; cancer; cell therapy; human.	
KW	Human sapiens.	
OS	Human sapiens.	
XX		
FN	WO200198497-A1.	
XX		
PD	27-DEC-2001.	
XX		
PF	28-NOV-2000; 2000MO-US032479.	
XX		
PR	21-JUN-2000; 2000US-00599087.	
PR	28-NOV-2000; 2000US-00724000.	
XX		
PA	(AMGE-) AMGEN INC.	
XX		
PI	Polverino AJ, Luechy R;	
XX		
XX	WPI; 2002-122281/16.	
DR		
XX		
PT	Secreted epithelial colon stromal-1 polypeptides and nucleic acids, useful for diagnosing, treating and preventing hematopoietic disorder.	
PT	osteoporosis, Paget's disease, cancer, diabetes.	
FT		
XX		
PS	Claim 14; Page 122; 134pp; English.	
CC	The present invention relates to an isolated murine or human secreted epithelial colon stromal-1 (Secs-1) polypeptide, its allelic or splice variant, orthologue, fragment or mutant. Secs-1 gene is used in gene therapy and cell therapy. Secs-1 is useful for identifying a compound which binds to a Secs-1 polypeptide. Secs-1 is useful for treating, preventing or ameliorating a disease condition such as haematopoietic disorder, osteoporosis, osteopetrosis, osteogenesis imperfecta, Paget's disease, periodontal disease, hypercalcaemia, acute glomerulonephritis,	

CC chronic glomerulonephritis, cancer, diabetes, obesity or cachexia. Secs-1
CC is also useful for diagnosing a pathological condition which involves
CC determining the presence or amount of Secs-1 or polypeptide encoded by
CC Secs-1 DNA in a sample; and diagnosing a pathological condition, or
CC susceptibility to pathological condition based on the presence or amount
CC of expression of the polypeptide. The present sequence is human Secs-1
CC protein fragment

XX
XX
SQ Sequence 57 AA;

Query Match 100.0%; Score 326; DB 5; Length 57;
Best Local Similarity 100.0%; Pred. No. 4,3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPRLMVVPGALPOV 57
DB 1 KRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPRLMVVPGALPOV 57

RESULT 2

AAB90558
ID AAB90558 standard; protein; 81 AA.

XX
AC AAB90558;

DT 01-JUN-2001 (first entry)

XX
DE Human secreted protein, SEQ ID NO: 96.

XX Human; secreted protein; immunomodulatory; anti-sclerotic; dermatological;
XX anti-inflammatory; anti-HIV; cytostatic; cardiant; vascular;
XX anti-angiogenic; ophthalmological; neuroprotectant; noctropic;
XX anticonvulsant; antialzheimers; antiparkinsonian; antimicrobial;
XX vulnerrary; vaccine; gene therapy; cancer; protein coordinate data;
XX infection.

XX
OS Homo sapiens.

XX
PN MO200121658-A1.

XX
PD 29-MAR-2001.

XX
PF 22-SEP-2000; 2000WO-US026013.

XX
PR 24-SEP-1999; 99US-0155709P.

XX
PA (HUMA-) HUMAN GENOME SCI INC.

XX
PI N1 J, Baker KP, Birze CE, Ebner R, Fisceella M, Komatsoulis GA;
PI Lafleur DW, Moore PA, Olsen HS, Rosen CA, Ruben SA, Soppet DR;

XX
PI Young PE, Wei P, Florence KA;

XX
DR WPI; 2001-235311/24.

XX
DR N-PSDB; AAF97898.

XX
PT Nucleic acids encoding 32 human secreted polypeptides, useful for
PT preventing, diagnosing and/or treating e.g. cancers, Parkinson's disease
PT and diabetic retinopathy.

XX
XX Claim 11; Page 783; 890pp; English.

XX The present sequence is one of 32 novel human secreted polypeptides. The
CC nucleic acid molecules and polypeptides may be used in the prevention,
CC diagnosis and treatment of diseases such as immune disorders (e.g.
CC multiple sclerosis, systemic lupus erythematosus and human immuno-
CC deficiency virus (HIV infections), hyperproliferative disorders (e.g.
CC cancers and Gaucher's disease), cardiovascular diseases (e.g. Scimitar
CC syndrome, Chagas cardiomyopathy and coronary arteriosclerosis),
CC angiogenic disorders (e.g. corneal graft neovascularisation and diabetic
CC retinopathy), neurological disorders (e.g. Huntington's chorea,
CC Alzheimer's disease and Parkinson's disease), infectious diseases and/or
CC for promoting wound healing, regeneration and/or chemotaxis. The nucleic
CC acid molecules may be used to produce the secreted polypeptides. They may

CC also be used as DNA probes in diagnostic assays to detect and quantitate
CC the presence of similar nucleic acid sequences in samples. The
CC polypeptides may be used as antigens in the production of antibodies and
CC in assays to identify modulators of their expression and activity

XX
XX
SQ Sequence 81 AA;

Query Match 100.0%; Score 326; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 6,3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPRLMVVPGALPOV 57
DB 25 KRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPRLMVVPGALPOV 81

RESULT 3

AAU12246
ID AAU12246 standard; protein; 81 AA.

XX
AC AAU12246;

DT 24-OCT-2001 (first entry)

XX
DE Human PRO3446 polypeptide sequence.

XX Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast;
XX prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;
XX ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;
XX A-peptide; factor VIIA; gene therapy.

XX
OS Homo sapiens.

XX
PN MO200140466-A2.

XX
PD 07-JUN-2001.

XX
PF 01-DEC-2000; 2000WO-US032678.

XX
PR 01-DEC-1999; 99WO-US028301.

XX
PR 02-DEC-1999; 99WO-US028634.

XX
PR 02-DEC-1999; 99WO-US028551.

XX
PR 02-DEC-1999; 99WO-US028564.

XX
PR 09-DEC-1999; 99WO-US028565.

XX
PR 16-DEC-1999; 99WO-US030095.

XX
PR 20-DEC-1999; 99WO-US030911.

XX
PR 30-DEC-1999; 99WO-US030999.

XX
PR 30-DEC-1999; 99WO-US031274.

XX
PR 05-JAN-2000; 2000WO-US000219.

XX
PR 06-JAN-2000; 2000WO-US000277.

XX
PR 06-JAN-2000; 2000WO-US000376.

XX
PR 11-FEB-2000; 2000WO-US003565.

XX
PR 18-FEB-2000; 2000WO-US004341.

XX
PR 22-FEB-2000; 2000WO-US004414.

XX
PR 24-FEB-2000; 2000WO-US004914.

XX
PR 24-FEB-2000; 2000WO-US005004.

XX
PR 02-MAR-2000; 2000WO-US005841.

XX
PR 03-MAR-2000; 2000US-0187202P.

XX
PR 10-MAR-2000; 2000WO-US006319.

XX
PR 15-MAR-2000; 2000WO-US006884.

XX
PR 20-MAR-2000; 2000WO-US007377.

XX
PR 21-MAR-2000; 2000WO-US007532.

XX
PR 30-MAR-2000; 2000WO-US008439.

XX
PR 17-MAY-2000; 2000WO-US013705.

XX
PR 22-MAY-2000; 2000WO-US014042.

XX
PR 30-MAY-2000; 2000WO-US014941.

XX
PR 02-JUN-2000; 2000WO-US015264.

XX
PR 05-JUN-2000; 2000US-0209832P.

XX
PR 28-JUL-2000; 2000WO-US020710.

PR	11-AUG-2000;	2000MO-US022031.
PR	23-AUG-2000;	2000MO-US023522.
PR	24-AUG-2000;	2000MO-US023328.
PR	08-NOV-2000;	2000MO-US030952.
PR	10-NOV-2000;	2000MO-US030873.
PA	(GETH)	GENENTECH INC.
XX		
PI	Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,	
PI	Gerlstein ME, Goddard A, Goddard PJ, Gunney AL, Sherwood S,	
PI	Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z,	
DR	WPI; 2001-408281/43.	
DR	N-PSDB; AAS21318.	
XX		
PT	Isolated , secretory and transmembrane PRO polypeptide used to detect	
PT	other PRO polypeptides, link bioactive molecules to cells expressing	
PT	polypeptides, and detect the presence of mammalian tumors e.g. lung,	
PT	breast, prostate, cervical.	
XX		
XX	Claim 12; Fig 150; 813pp; English.	
XX		
CC	AAU12172-AAU12446 represent novel human secretory and transmembrane PRO	
CC	polypeptides. The PRO polypeptides are useful to detect other PRO	
CC	polypeptides, to link bioactive molecules to cells expressing PRO	
CC	polypeptides, to modulate biological activities of cells expressing PRO	
CC	polypeptides, and to detect the presence of mammalian lung, colon,	
CC	breast, prostate, rectal, cervical or liver tumour by comparing PRO	
CC	polypeptide expression in a cell sample to that in a control sample. Some	
CC	of the 275 sequences are also useful to stimulate the release of tumour	
CC	necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or	
CC	differentiation of chondrocytes, the proliferation or gene expression in	
CC	pericyte cells, the release of proteoglycans from cartilage, the	
CC	proliferation of inner ear utricular supporting cells or of T-	
CC	lymphocytes, the release of a cytokine from peripheral blood monocytes	
CC	(pbmcs), or the proliferation of endothelial cells. Some of the PRO	
CC	polypeptides may modulate glucose or free fatty acid uptake by skeletal	
CC	muscle cells or by adipocytes; or inhibit binding of A-peptide to factor	
CC	viia. The PRO polypeptides can be used in assays to identify molecules	
CC	involved in binding interactions. The polynucleotides encoding PRO	
CC	polypeptides can be used to generate probes, antisense RNA/DNA,	
CC	transgenic or knock out animals and can be used in gene therapy	
CC		
XX		
XX	Sequence 81 AA;	
XX		
XX	Query Match 100.0%; Score 326; DB 4; Length 81;	
XX	Best Local Similarity 100.0%; Pred. No. 6.3e-33;	
XX	Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0.	
Qy	1 KRPAPKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPDRLWVPGALPOV 57	
Db	25 KRPAPKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPDRLWVPGALPOV 81	
XX		
XX	RESULT 4	
XX	ABG65411	
XX	ID ABG65411 standard; protein; 81 AA.	
XX	AC ABG65411;	
XX	DT 27-AUG-2002 (first entry)	
XX	DE Human albumin fusion protein #2086.	
XX		
KM	Albumin fusion protein; therapeutic protein X; human albumin; HA;	
KM	human serum albumin; HSA; cancer; reproductive disorder;	
KM	digestive disorder; immune disorder; endocrine disorder;	
KM	haematopoietic disorder; neural disorder; connective disorder;	
KM	cytostatic; antifertility; antiinflammatory; anticancer;	
KM	immunomodulator; anti-HIV; antidiabetic; haemostatic; nootropic;	
KM	neuroprotective; antiparkinsonian; antimicrobial; neuroleptic;	
KM	osteopathic; antiarthritic.	
XX		

OS	Homo sapiens.
OS	Synthetic.
PN	MO200177137-A1.
PD	18-OCT-2001.
XX	
XX	
PE	12-APR-2001; 2001WO-US011988.
XX	
PR	12-APR-2000; 2000US-0229358P.
PR	25-APR-2000; 2000US-0199384P.
PR	21-DEC-2000; 2000US-0256931P.
XX	
PA	(HUMA-) HUMAN GENOME SCT INC.
PI	Rosen CA, Haseltine WA;
XX	
DR	WPI; 2002-010886/01.
XX	
PT	New fusion protein for treating disease e.g. diabetes comprises an albumin fused to a therapeutic protein.
PS	Claim 1; Page 1979; 2102pp; English.
XX	
CC	The present invention relates to albumin fusion proteins comprising a therapeutic protein X and human albumin (HA, also known as human serum albumin, HSA). The proteins are useful for treating a disease or disorder that may be modulated by therapeutic protein X. The albumin extends the shelf-life of protein X, and may increase its biological in vitro/in vivo activity. The protein is useful for treating and diagnosing disorders such as cancer, reproductive disorders, digestive disorders (e.g. Crohn's disease, ulcerative colitis), immune disorders (e.g. acquired immunodeficiency syndrome, AIDS), endocrine disorders (e.g. diabetes), haematopoietic disorders, neural disorders (e.g. Alzheimer's, Parkinson's), Creutzfeldt-Jacob disease, encephalomyelitis, meningitis, schizophrenia], and connective disorders (e.g. osteoporosis, arthritis).
CC	AB663326-AB665518 represent albumin fusion proteins of the invention
XX	
SQ	Sequence 81 AA:
Query Match	100.0%; Score 326; DB 5; Length 81;
Best Local Similarity	100.0%; Pred. NO. 6.3e-33;
Matches 57; Conservativity 0; Mismatches 0; Indels 0; Gaps 0.	
Oy	1 KRPAKAMSGRRTRLCGRVSPNSNTLKGHHVALCKEKKLEPPRLMWVGALPOV 57 Db 25 KRRRAKAMSGRRTRLCGRVSPNSNTLKGHHVALCKEKKLEPPRLMWVGALPOV 81
RESULT 5	
AALI6481	ID AALI6481 standard; protein; 81 AA.
XX AC	AALI6481;
XX DT	09-APR-2002 (first entry)
DE	Human secreted epithelial colon stromal-1 (Secs-1) protein.
XX	
KW	Secreted epithelial colon stromal-1; Secs-1; gene therapy; osteopetrosis; haematopoietic disorder; osteoporosis; osteogenesis imperfecta; cachexia; Paget's disease; periodontal disease; hypercalcaemia; glomerulonephritis; diabetes obesity; osteopathic; cytostatic; nephrotoxic; antidiabetic; anorectic; immunomodulator; antisporadic; vulnerability; antifertility; gynaecological; antiulcer; antiinflammatory; cancer; cell therapy; human.
XX	
OS	Homo sapiens.
XX	
FH	Key Location/Qualifiers
FT	Peptide 1..24
FT	/label= Signal_peptide
FT	25..81
FT	/label= Mature_human_Secs-1_protein

[illegible]

PF		21-FEB-2002; 2002MO-US005064.
XX		
PR		23-FEB-2001; 2001US-0270658P.
PR		12-JUL-2001; 2001US-0304444P.
XX		
PA		(HUMA-) HUMAN GENOME SCI INC.
XX		
PI	Rosen CA, Komatsoulis GA, Birse CE, Choi GH, Olsen HS, Ni J,	
PI	Bell A;	
DR	WPI; 2002-750418/81.	
DR	N-PSDB; ADG79345.	
XX		
PT	New isolated polypeptide and encoding polynucleotide useful for	
PT	diagnosing, preventing, treating and/or ameliorating diseases such as	
PT	cancer, blood disorders, infections, inflammatory and immune disorders	
XX	and type II diabetes.	
XX		
PS	Disclosure; SEQ ID NO 338; 936pp; English.	
XX		
CC	The invention relates to a novel isolated polypeptide. A protein of the	
CC	invention has cytosstatic, vasotropic, haemostatic, cardiovascular,	
CC	gastrointestinal, immunomodulator, inotropic, cerebroprotective,	
CC	neuroprotective, nephrotoxic, anti-inflammatory, antibacterial, virucide,	
CC	gynaecological, and antidiabetic activity. A polynucleotide of the	
CC	invention may have a use in gene therapy, and as a vaccine. The methods	
CC	and compositions of the invention are useful for diagnosing, preventing,	
CC	treating and/or ameliorating diseases such as cancer (neural,	
CC	reproductive, gastrointestinal, endocrine, renal, CNS and respiratory	
CC	neoplasias), blood disorders, immune disorders, infections, inflammatory	
CC	disorders and type II diabetes. They can also be used in chromosome	
CC	identification, screening assays and molecular weight markers. The	
CC	present sequence is used in the exemplification of the invention.	
SQ		
	Sequence 81 AA;	
	Query Match 100.0%; Score 326; DB 5; Length 81;	
	Best Local Similarity 100.0%; Pred. No. 6.3e-33;	
	Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
OY		
	1 KRBPAAKMSGRRTLCCHRVSPNSTYLKGHHVRLCKPKCLEPPRMLVVGALPOV 57	
	25 KRRPAKAMSGRRTRLCCHRVSPNSTYLKGHHVRLCKPCLEPPRMLVVGALPOV 81	
Db		
RESULT 7		
ID	ABO17690 standard; protein; 81 AA.	
ABO17690		
XX		
AC	ABO17690;	
XX		
DT	26-AUG-2003 (first entry)	
XX		
DE	Novel human secreted and transmembrane protein PRO3446.	
XX		
KM	Human, secreted and transmembrane protein; PRO; antiinflammatory;	
KM	antiartherosclerotic; cardiant; anti-infertility; anti-HIV; cytosstatic;	
KM	antiatherogenic; gene therapy; tumour necrosis factor (TNF)-alpha release;	
KM	TNF-alpha release; cell proliferation; cell differentiation;	
KM	tumour; inflammatory disease; organ failure; atherosclerosis;	
KM	cardiac injury; infertility; birth defect; premature aging; AIDS;	
KM	acquired immunodeficiency syndrome; cancer; diabetic complication;	
KM	chromosome mapping; gene mapping; pharmaceutical; diagnostic; biosensor;	
KM	bireactor; tissue typing.	
XX		
OS	Homo sapiens.	
XX		
PN	US2003032156-A1.	
XX		
PD	13-FEB-2003.	
XX		
PF	06-MAY-2002; 2002US-00140474.	

[illegible]

QY 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
Db 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81
RESULT 8
ABU80944
ID ABU80944 standard; protein; 81 AA.
XX
AC ABU80944;
XX
DT 23-JUN-2003 (first entry)
XX
DE Human PRO polypeptide #75.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein;
KW anti-PRO antibody; diagnostic assay; gene expression; diabetes;
KW bone disorder; cartilage disorder; rheumatoid arthritis; obesity;
KW sports injury; osteoarthritis; hyper-insulinaemia; hypo-insulinaemia;
KW hearing loss; coagulation disorder; stroke; heart attack; cardiact;
KW antidiabetic; anorectic; vulnery; antiarthritic; osteopathic;
KW antirheumatic; auditory; cerebroprotective; angiogenic.
XX
OS Homo sapiens.
XX
PN US200304311-A1.
XX
PD 02-JAN-2003.
XX
PF 19-DEC-2001; 2001US-00028072.
XX
PR 18-JUN-1997; 97US-0049911P.
PR 26-AUG-1997; 97US-0056974P.
PR 17-SEP-1997; 97US-0059113P.
PR 17-SEP-1997; 97US-0059115P.
PR 17-SEP-1997; 97US-0059117P.
PR 17-SEP-1997; 97US-0059122P.
PR 17-SEP-1997; 97US-0059184P.
PR 18-SEP-1997; 97US-0059263P.
PR 19-SEP-1997; 97US-0059352P.
PR 19-SEP-1997; 97US-0059588P.
PR 24-SEP-1997; 97US-0059836P.
PR 17-OCT-1997; 97US-0062250P.
PR 17-OCT-1997; 97US-0062285P.
PR 17-OCT-1997; 97US-0062287P.
PR 17-OCT-1997; 97US-0063755P.
PR 24-OCT-1997; 97US-0062814P.
PR 24-OCT-1997; 97US-0062816P.
PR 24-OCT-1997; 97US-0063045P.
PR 24-OCT-1997; 97US-0063082P.
PR 24-OCT-1997; 97US-0063127P.
PR 27-OCT-1997; 97US-0063327P.
PR 27-OCT-1997; 97US-0063329P.
PR 28-OCT-1997; 97US-0063350P.
PR 28-OCT-1997; 97US-0063561P.
PR 29-OCT-1997; 97US-0063704P.
PR 29-OCT-1997; 97US-0063733P.
PR 29-OCT-1997; 97US-0063735P.
PR 29-OCT-1997; 97US-0063738P.
PR 03-NOV-1997; 97US-0064248P.
PR 07-NOV-1997; 97US-0064809P.
PR 12-NOV-1997; 97US-0065186P.
PR 17-NOV-1997; 97US-0065846P.
PR 21-NOV-1997; 97US-0066364P.
PR 24-NOV-1997; 97US-0066453P.
PR 24-NOV-1997; 97US-0066511P.
PR 24-NOV-1997; 97US-0066770P.
PR 11-DEC-1997; 97US-0069212P.
PR 11-DEC-1997; 97US-0069278P.
PR 11-DEC-1997; 97US-0069334P.
PR 16-DEC-1997; 97US-0069694P.
PR 23-JAN-1998; 98US-0072320P.
PR 04-FEB-1998; 98US-0073612P.

PR 09-FEB-1998; 98US-0074086P.
PR 09-FEB-1998; 98US-0074092P.
PR 12-MAR-1998; 98US-0077919P.
PR 20-MAR-1998; 98US-0078910P.
PR 25-MAR-1998; 98US-0079294P.
PR 27-MAR-1998; 98US-0079663P.
PR 27-MAR-1998; 98US-0079728P.
PR 31-MAR-1998; 98US-0080165P.
PR 12-JUN-1998; 98MO-US014552.
PR 14-JUL-1998; 98MO-US014552.
PR 28-AUG-1998; 98MO-US017888.
PR 10-SEP-1998; 98MO-US018824.
PR 14-SEP-1998; 98MO-US019093.
PR 14-SEP-1998; 98MO-US019094.
PR 14-SEP-1998; 98MO-US019177.
PR 16-SEP-1998; 98MO-US019330.
PR 17-SEP-1998; 98MO-US019437.
PR 07-OCT-1998; 98MO-US021141.
PR 29-OCT-1998; 98MO-US022991.
PR 29-OCT-1998; 98MO-US022992.
PR 20-NOV-1998; 98MO-US024855.
PR 01-DEC-1998; 98MO-US025108.
PR 05-JAN-1999; 99MO-US000106.
PR 08-MAR-1999; 99MO-US005028.
PR 10-MAR-1999; 99MO-US005190.
PR 20-APR-1999; 99MO-US008615.
PR 14-MAY-1999; 99MO-US010733.
PR 02-JUN-1999; 99MO-US012252.
PR 01-SEP-1999; 99MO-US020111.
PR 08-SEP-1999; 99MO-US020594.
PR 13-SEP-1999; 99MO-US020944.
PR 15-SEP-1999; 99MO-US021090.
PR 15-SEP-1999; 99MO-US021547.
PR 05-OCT-1999; 99MO-US023089.
PR 29-NOV-1999; 99MO-US028214.
PR 30-NOV-1999; 99MO-US028313.
PR 30-NOV-1999; 99MO-US028409.
PR 01-DEC-1999; 99MO-US028301.
PR 01-DEC-1999; 99MO-US028634.
PR 02-DEC-1999; 99MO-US028551.
PR 02-DEC-1999; 99MO-US028564.
PR 02-DEC-1999; 99MO-US028565.
PR 16-DEC-1999; 99MO-US030095.
PR 20-DEC-1999; 99MO-US030911.
PR 20-DEC-1999; 99MO-US030999.
PR 30-DEC-1999; 99MO-US031243.
PR 30-DEC-1999; 99MO-US031274.
PR 05-JAN-2000; 2000MO-US000219.
PR 06-JAN-2000; 2000MO-US000277.
PR 06-JAN-2000; 2000MO-US000376.
PR 11-FEB-2000; 2000MO-US000365.
PR 18-FEB-2000; 2000MO-US004341.
PR 18-FEB-2000; 2000MO-US004342.
PR 22-FEB-2000; 2000MO-US004414.
PR 24-FEB-2000; 2000MO-US004914.
PR 24-FEB-2000; 2000MO-US005004.
PR 01-MAR-2000; 2000MO-US005601.
PR 02-MAR-2000; 2000MO-US005746.
XX
XX (GETH) GENENTECH INC.
XX
XX Baker KP, Beresini M, DeForge L, Deanoyers L, Filvaroff E, Gao W;
PI Gritlsen WE, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2003-352836/33.
XX
XX N-PSDB; ACA67068.
XX
XX New isolated PRO polypeptide useful for treating diabetes, rheumatoid
PT arthritis, sports injuries, obesity, hearing loss in mammals, stroke, or
PT heart attack.
XX
XX Claim 12; Fig 150; 643pp; English.

XX CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides and polynucleotides are useful for preparing a medicament
CC useful in the treatment of diabetes, bone and/or cartilage disorders
CC (e.g. rheumatoid arthritis, sports injuries, osteoarthritis), obesity,
CC hyper- or hypo-insulinemia, hearing loss, and coagulation disorders
CC (e.g. stroke, heart attack). Anti-PRO antibodies are useful in diagnostic
CC assays for PRO, by detecting its expression in specific cells, tissues or
CC serum, and for affinity purification of PRO from recombinant cell culture
CC or natural sources. ABU80870-ABU8114 represent the human PRO
CC polypeptides of the invention. Note: The sequence data for this patent
CC was obtained in electronic format directly from the USPTO web site at
CC seqdata.uspto.gov/patseqEntry.html
XX SQ Sequence 81 AA;

Query Match 100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 6, 3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVVGALPQV 57
Db 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVVGALPQV 81

RESULT 9
ABU66644
ID ABU66644 standard; protein; 81 AA.
XX AC ABU66644;
XX DT 23-MAY-2003 (first entry)
XX DE Human PRO polypeptide #75.
XX DE Human PRO polypeptide #75.
XX DE Human; PRO polypeptide; secreted and transmembrane protein;
XX KM tumour necrosis factor-alpha; TNF-alpha; blood; proliferation;
XX KM differentiation; Chondrocyte; tumour; genetic disorder; cytostatic.
XX OS Homo sapiens.
XX PN US2003036180-A1.
XX PD 20-FEB-2003.
XX PF 09-MAY-2002; 2002US-00143114.
XX PR 31-MAR-1997; 97MO-US0005230.
XX PR 12-JUN-1998; 98MO-US012456.
XX PR 14-JUL-1998; 98MO-US014552.
XX PR 28-AUG-1998; 98MO-US017888.
XX PR 10-SEP-1998; 98MO-US018824.
XX PR 14-SEP-1998; 98MO-US019093.
XX PR 14-SEP-1998; 98MO-US019094.
XX PR 14-SEP-1998; 98MO-US019177.
XX PR 16-SEP-1998; 98MO-US019437.
XX PR 17-SEP-1998; 98MO-US019430.
XX PR 07-OCT-1998; 98MO-US021141.
XX PR 29-OCT-1998; 98MO-US022891.
XX PR 23-OCT-1998; 98MO-US022892.
XX PR 20-NOV-1998; 98MO-US024855.
XX PR 01-DEC-1998; 98MO-US024855.
XX PR 05-JAN-1999; 99MO-US000106.
XX PR 08-MAR-1999; 99MO-US005028.
XX PR 10-MAR-1999; 99MO-US005190.
XX PR 20-APR-1999; 99MO-US008615.
XX PR 14-MAY-1999; 99MO-US010733.
XX PR 02-JUN-1999; 99MO-US012252.
XX PR 01-SEP-1999; 99MO-US020111.
XX PR 08-SEP-1999; 99MO-US020594.
XX PR 13-SEP-1999; 99MO-US020944.

PR 15-SEP-1999; 99MO-US021090.
PR 15-SEP-1999; 99MO-US021547.
PR 05-OCT-1999; 99MO-US023089.
PR 29-NOV-1999; 99MO-US028214.
PR 30-NOV-1999; 99MO-US028319.
PR 30-NOV-1999; 99MO-US028403.
PR 01-DEC-1999; 99MO-US028301.
PR 01-DEC-1999; 99MO-US028634.
PR 02-DEC-1999; 99MO-US028551.
PR 02-DEC-1999; 99MO-US028564.
PR 02-DEC-1999; 99MO-US028565.
PR 16-DEC-1999; 99MO-US030095.
PR 20-DEC-1999; 99MO-US030911.
PR 20-DEC-1999; 99MO-US030999.
PR 22-DEC-1999; 99MO-US030720.
PR 30-DEC-1999; 99MO-US031243.
PR 30-DEC-1999; 99MO-US031274.
PR 05-JAN-2000; 2000MO-US000219.
PR 06-JAN-2000; 2000MO-US000277.
PR 06-JAN-2000; 2000MO-US000376.
PR 11-FEB-2000; 2000MO-US003565.
PR 18-FEB-2000; 2000MO-US004341.
PR 18-FEB-2000; 2000MO-US004342.
PR 22-FEB-2000; 2000MO-US004414.
PR 24-FEB-2000; 2000MO-US004914.
PR 24-FEB-2000; 2000MO-US005004.
PR 01-MAR-2000; 2000MO-US005601.
PR 02-MAR-2000; 2000MO-US005746.
PR 10-MAR-2000; 2000MO-US006319.
PR 15-MAR-2000; 2000MO-US006884.
PR 20-MAR-2000; 2000MO-US007377.
PR 21-MAR-2000; 2000MO-US007532.
PR 30-MAR-2000; 2000MO-US008439.
PR 17-MAY-2000; 2000MO-US013705.
PR 22-MAY-2000; 2000MO-US014042.
PR 30-MAY-2000; 2000MO-US014941.
PR 02-JUN-2000; 2000MO-US015264.
PR 28-JUL-2000; 2000MO-US020710.
PR 11-AUG-2000; 2000MO-US022031.
PR 23-AUG-2000; 2000MO-US023522.
PR 24-AUG-2000; 2000MO-US023328.
PR 08-NOV-2000; 2000MO-US030952.
PR 10-NOV-2000; 2000MO-US030873.
PR 01-DEC-2000; 2000MO-US032678.
PR 20-DEC-2000; 2000MO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001US-00796498.
PR 01-MAR-2001; 2001MO-US006520.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 18-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 01-JUN-2001; 2001MO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001MO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001MO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001MO-US020116.
PR 29-JUN-2001; 2001MO-US021066.
PR 09-JUL-2001; 2001MO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.

PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GERTH) GENENTECH INC.
XX
PI Baker KP, Beresini M, DeForge L, Desnoyers L, Flivaroff E, Gao W;
PI Gerritsen ME, Godard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI, 2003-332040/31.
DR N-PSDB; ACA03677.
PT New secreted and transmembrane PRO nucleic acids, useful for gene
PT therapy, in chromosome and gene mapping, as chromosome markers, in tissue
PT typing, and in chromosome identification.
XX
XX Claim 12; Fig 150; 660bp; English.
XX
XX The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides are useful for detecting other PRO polypeptides, for linking
CC bioactive molecules to cells expressing PRO polypeptides, for modulating
CC biological activities of cells expressing PRO polypeptides, and for for
CC identifying agonists or antagonists. The PRO polypeptides are useful for
CC for stimulating the release of tumour necrosis factor (TNF)-alpha from
CC human blood, for stimulating the proliferation or differentiation of
CC chondrocytes, and detecting the presence of tumours. The polynucleotide
CC sequences encoding PRO polypeptides are useful as hybridisation probes,
CC in chromosome and gene mapping, in the generation of antisense RNA and
CC DNA, in the preparation of PRO polypeptides, for generating transgenic
CC animals or knockout animals, for the genetic analysis of individuals with
CC genetic disorders, and in gene therapy. ABU65570-ABU66844 represent the
CC human PRO polypeptides of the invention. Note: The sequence data for this
CC patent was obtained in electronic format directly from the USPTO web site
XX at seqdata.uspto.gov/psipdidentry.html
XX
SQ Sequence 81 AA;
XX
Query Match 100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 6,3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 KRPAKAMSGRRTRLCCHRPSPNSTNLKGHHVRLCKPCKEPEPRLMVYPALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRPSPNSTNLKGHHVRLCKPCKEPEPRLMVYPALPOV 81
XX
RESULT 10
ABUS9725
ID ABUS9725 standard; protein; 81 AA.
XX
AC ABUS9725;
XX
DT 13-MAY-2003 (first entry)
XX
DE Novel secreted and transmembrane protein PRO3446.
XX
KW Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosum; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis.
XX
OS Homo sapiens.
XX
XX US2003017563-A1.
XX
XX

PD 23-JAN-2003.
XX
XX 07-MAY-2002; 2002US-00140808.
XX
XX 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019053.
PR 14-SEP-1998; 98WO-US019094.
PR 16-SEP-1998; 98WO-US019177.
PR 17-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021937.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.

PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006566.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.

PA (GETH) GENENTECH INC.

XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2003-148238/14.
DR N-PSDB; ABX69215.

PT Two hundred and seventy five nucleic acids encoding PRO polypeptides,
PT useful for treating pericyte-associated tumors, diabetes and various bone
PT and/or cartilage disorders, e.g. arthritis.

PS Claim 12; Fig 150; 659pp; English.

XX The invention describes an isolated human PRO polypeptide. The PRO
CC polypeptides are useful in detecting PRO polypeptides in a sample, in
CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
CC in modulating at least one biological activity of a cell expressing a PRO
CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
CC PRO943, PRO828, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
CC useful for treating conditions or disorders where angiogenesis should be
CC beneficial, e.g. wound healing and antagonist of this polypeptide are
CC useful for treating cancerous tumors. PRO812 inhibits vascular
CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
CC cells and is thus useful for inhibiting endothelial cell growth in
CC mammals which would be beneficial in inhibiting tumor growth. PRO826,
CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
CC stimulated T-lymphocytes and are therapeutically useful for enhancing
CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
CC rod photoreceptor cells) and therefore are useful for treating retinal
CC disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
CC and PRO1066 induce proliferation of mammalian kidney mesangial cells,
CC and therefore are useful for treating kidney disorders associated with
CC decreased mesangial cell function such as Berger disease or other
CC nephropathies associated with dermatitis, herpeticiformis or Crohn's
CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
CC proliferation and/or redifferentiation of chondrocytes in culture and are

CC thus useful for treating sports injuries, and arthritis. This is the
CC amino acid sequence of a novel human PRO protein

XX Sequence 81 AA;

Query Match 100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 6, 3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAMSGRRRLCCHRVSPNSTVLKHHVRLCKPCQLPEPPRLMVPALPOV 57
Db 25 KRPAKAMSGRRRLCCHRVSPNSTVLKHHVRLCKPCQLPEPPRLMVPALPOV 81

RESULT 11

AB024915
ID AB024915 standard; protein; 81 AA.

XX AB024915;

DT 05-SEP-2003 (first entry)

DE Human secreted/transmembrane protein (PRO) #75.

XX Human; PRO; secreted protein; transmembrane protein; tumour; cytostatic;
KM gene therapy; tumour necrosis factor-alpha; TNF-alpha; blood;
KM proteoglycan; cartilage; cytokine; peripheral blood mononuclear cell;
KM PMWC; glucose uptake; FFA; skeletal muscle cell; adipocyte cell;
KM chondrocyte cell proliferation; chondrocyte cell differentiation;
KM pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;
KM endothelial cell; A-peptide; factor VIIA.

XX Homo sapiens.

XX US2003036179-A1.

XX 20-FEB-2003.

PF 10-MAY-2002; 2002US-00142431.

XX 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.

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PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021065.
PR 09-JUL-2001; 2001WO-US021736.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
XX
PA (GETH ) GENENTECH INC.
XX
PI Baker KP, Bersani M, Deforge L, Deenoyers L, Filvaroff E, Gao W,
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z,
XX

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DR WPI; 2003-466355/44.
DR N-PSDB; ACD41869.
XX
PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or
PT PRO4978, useful in molecular biology, chromosome and gene mapping, in
PT generating antisense RNA and DNA, and in gene therapy.
XX
XX Claim 12; Fig 150; 659pp; English.
XX

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The invention relates to an isolated nucleic acid comprising at least 80% sequence identity to a PRO (secreted and transmembrane protein) cDNA comprising a nucleic acid (a) encoding a PRO polypeptide, or its extracellular domain (with or without its associated signal peptide), which comprises any of the 275 120-850 residue amino acid sequences, given in the specification; (b) comprising any of the 275 300-3500 nucleotide sequences, given in the specification; or (c) comprising the full-length coding sequence of the nucleotide sequences given in the specification, or of the DNA deposited under any of the American Type Culture Collection (ATCC) Accession Numbers listed in the specification. Also included are a vector comprising the novel nucleic acid, a host cell comprising the vector, producing a PRO polypeptide, the isolated PRO polypeptides detailed above, a chimeric molecule comprising the PRO polypeptide of fused to a heterologous amino acid sequence, an anti-PRO antibody, detecting a PRO polypeptide in a sample suspected of containing the PRO polypeptide, linking a bioactive molecule to a cell expressing a PRO polypeptide, modulating at least one biological activity of a cell expressing a PRO polypeptide, stimulating the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, (or proteoglycans from cartilage or cytokine from peripheral blood mononuclear cells (PBMC)), modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, stimulating the proliferation or differentiation of chondrocyte cells (or proliferation of or gene expression in pericyte cells), stimulating the proliferation of inner ear utricular supporting cells (or of T-lymphocyte cells, or of endothelial cells), inhibiting the binding of A-peptide to factor VIIA, or differentiation of adipocyte cells, detecting the presence of a tumour in a mammal and an oligonucleotide probe derived from any of the nucleotide sequences given in the specification. The polynucleotide is useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA, and in gene therapy. The polynucleotide may also be used in preparing PRO polypeptides by recombinant techniques, and in generating either transgenic animals or knock-out animals which, in turn, are useful in the development and screening of therapeutically useful reagents. The PRO polypeptide or the antibody is used in preparing a medicament for treating a condition responsive to the polypeptide or antibody, such as tumours, and in various diagnostic assays. The present sequence represents a PRO polypeptide

Sequence 81 AA:

```

Query Match          100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 6.3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

OY      1 KRPAKAWGRRTRICCHRVSPSTNKGHHVRLCKPCKLEPRRLWVVPALPOV 57
        |||||
Db       25 KRPAKAWGRRTRICCHRVSPSTNKGHHVRLCKPCKLEPRRLWVVPALPOV 81

```

RESULT 12

ID ABU66920 standard; protein; 81 AA.

AC ABU66920;

DT 27-MAY-2003 (first entry)

DE Human secreted/transmembrane, PRO, protein SEQ ID 150.

XX Human; secreted protein; transmembrane protein; PRO;

KW inflammatory disease; organ failure; atherosclerosis; cardiac injury;

KW infertility; birth defects; premature aging; AIDS; biosensor;

KM acquired immunodeficiency syndrome; cancer; diabetic complication;
 KM bioreactor; tumour.
 XX
 OS Homo sapiens.
 PN US2003032155-A1.
 XX
 PD 13-FEB-2003.
 XX
 PF 03-MAY-2002; 2002US-00137865.
 XX
 XX 31-MAR-1997; 97WO-US005230.
 PR 12-JUN-1998; 98WO-US012456.
 PR 14-JUL-1998; 98WO-US014552.
 PR 28-AUG-1998; 98WO-US017888.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019093.
 PR 14-SEP-1998; 98WO-US019177.
 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019437.
 PR 07-OCT-1998; 98WO-US021141.
 PR 29-OCT-1998; 98WO-US022991.
 PR 29-OCT-1998; 98WO-US022992.
 PR 20-NOV-1998; 98WO-US024855.
 PR 01-DEC-1998; 98WO-US025108.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 30-NOV-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 22-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US000365.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007552.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US047259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00806889.
 PR 22-MAR-2001; 2001US-00816744.
 PR 03-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GERTH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerltsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2003-331925/31.
 DR N-PSDB; ACA04098.
 XX
 PT New secreted and transmembrane nucleic acids and polypeptides, designated
 PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
 PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
 PT cancer.
 PT
 XX
 XX
 PS Claim 12, Fig 150; 659pp; English.
 XX
 CC The invention relates to an isolated nucleic acid comprising, or which is
 CC at least 80% identical to, or the full-length coding sequence of, any of
 CC the 275 nucleotide sequences, encoding the corresponding PRO polypeptide
 CC (one of 275 secreted or transmembrane proteins). The nucleic acid further
 CC comprises the full-length coding sequence of the DNA deposited under
 CC American Type Culture Collection (ATCC) accession number in a list given
 CC in the specification. Also included are vectors and host cells for
 CC producing PRO proteins, PRO fusion proteins, anti-PRO antibodies, PRO
 CC extracellular domains and mature sequences, methods of detecting PRO
 CC proteins, methods for stimulating the release of TNF-alpha (tumour
 CC necrosis factor alpha) from human blood, (and the proliferation of
 CC differentiation of chondrocyte cells, the proliferation of, or gene
 CC expression in pericyte cells, the release or proteoglycans from
 CC cartilage, proliferation of inner ear utricular supporting cells, the
 CC proliferation of T-lymphocyte cells, the release of a cytokine from
 CC peripheral blood mononuclear cells (PBMC), or the proliferation of
 CC endothelial cells), a method for modulating the uptake of glucose or free
 CC fatty acid (FFA) by skeletal muscle cells, a method for inhibiting the
 CC binding of A-peptide to factor VIIA, or the differentiation of adipocyte

CC cells, a method for detecting the presence of a tumour in a mammal and an
CC oligonucleotide probe derived from any of the nucleotide sequences cited
CC above. The nucleic acids and polypeptides are useful for treating
CC inflammatory diseases, organ failure, atherosclerosis, cardiac injury,
CC infertility, birth defects, premature aging, AIDS (acquired
CC immunodeficiency syndrome), cancer, or diabetic complications. The
CC nucleic acids are useful as hybridisation probes, in chromosome and gene
CC mapping, and in generating antisense RNA or DNA. The polypeptides are
CC useful as pharmaceuticals, diagnostics, biosensors or bioreactors. Both
CC are useful in tissue typing. The present sequence represents a PRO
CC protein of the invention

XX Sequence 81 AA;

Query Match 100.0%; Score 326; DB 6; Length 81;

Best Local Similarity 100.0%; Pred. No. 6.3e-33;

Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPGV 57

Db 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPGV 81

RESULT 13

ADAl1060

ID ADAl1060 standard; protein; 81 AA.

XX ADAl1060;

DT 06-NOV-2003 (first entry)

DE Human cDNA differentially expressed in colon cancer #126 product.

XX differential expression; colon cancer; cancer; human.

OS Homo sapiens.

PN US2002160382-A1.

PD 31-OCT-2002.

PF 11-OCT-2001; 2001US-00981353.

PR 11-OCT-2000; 2000US-0239841P.

XX (LASEK A W.

XX (JONES D A.

PI Lasek AW, Jones DA;

DR WPI; 2003-265756/26.

XX N-PSDB; ADAl1059.

PT New combination comprising cDNAs that are differentially expressed in
PT colon disorder, useful for diagnosing, treating, staging or monitoring
PT treatment for colon cancers.

PS Claim 14; SEQ ID NO 178; 231pp; English.

XX The invention relates to a combination comprising cDNAs that are
XX differentially expressed in colon disorder. The methods and compositions
XX of the present invention are useful for diagnosing, treating, staging or
XX monitoring treatment for colon cancer. They are also useful in high
XX throughput methods for using cDNAs to detect differential expression of
XX nucleic acids in a sample, screening molecules or compounds to identify a
XX ligand which specifically binds a cDNA and using a protein to screen
XX molecules or compounds to identify at least one ligand which specifically
XX binds the protein. The present sequence represents the amino acid
XX sequence of a human cDNA differentially expressed in colon cancer
XX protein.

SQ Sequence 81 AA;

Query Match 100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 6.3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPGV 57

Db 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPGV 81

RESULT 14

ADA45669

ID ADA45669 standard; protein; 81 AA.

XX ADA45669;

DT 20-NOV-2003 (first entry)

DE Novel human secreted and transmembrane protein PRO3446.

XX Human; secreted and transmembrane protein; PRO;

KW Tumour necrosis factor alpha release; TNF-alpha release;

KW glucose uptake modulator; PFA uptake modulator;

KW cell proliferation stimulator; cell differentiation stimulator;

KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;

KW cervical tumour; liver tumour; chromosome mapping; gene mapping;

XX gene therapy; chromosome identification; chromosome marker.

OS Homo sapiens.

PN US2003022328-A1.

PD 30-JAN-2003.

PF 16-APR-2002; 2002US-00123904.

PR 31-MAR-1997; 97WO-US005230.

PR 12-JUN-1998; 98WO-US012456.

PR 14-JUL-1998; 98WO-US014552.

PR 28-AUG-1998; 98WO-US017888.

PR 10-SEP-1998; 98WO-US018824.

PR 14-SEP-1998; 98WO-US019093.

PR 14-SEP-1998; 98WO-US019177.

PR 16-SEP-1998; 98WO-US019330.

PR 17-SEP-1998; 98WO-US019437.

PR 07-OCT-1998; 98WO-US021141.

PR 29-OCT-1998; 98WO-US022991.

PR 20-NOV-1998; 98WO-US024855.

PR 01-DEC-1998; 98WO-US025108.

PR 05-JAN-1999; 99WO-US000106.

PR 08-MAR-1999; 99WO-US005028.

PR 10-MAR-1999; 99WO-US005190.

PR 20-APR-1999; 99WO-US008615.

PR 14-MAY-1999; 99WO-US010733.

PR 02-JUN-1999; 99WO-US012252.

PR 01-SEP-1999; 99WO-US020111.

PR 08-SEP-1999; 99WO-US020594.

PR 13-SEP-1999; 99WO-US020944.

PR 15-SEP-1999; 99WO-US021090.

PR 05-OCT-1999; 99WO-US021547.

PR 29-NOV-1999; 99WO-US023089.

PR 30-NOV-1999; 99WO-US028214.

PR 30-NOV-1999; 99WO-US028313.

PR 01-DEC-1999; 99WO-US028409.

PR 01-DEC-1999; 99WO-US028301.

PR 02-DEC-1999; 99WO-US028634.

PR 02-DEC-1999; 99WO-US028551.

PR 02-DEC-1999; 99WO-US028554.

PR 16-DEC-1999; 99WO-US028565.

PR 20-DEC-1999; 99WO-US030095.

PR 99WO-US030911.

PR 20-DEC-1999; 99WO-US030999.
 PR 22-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023528.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 23-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 PR XX
 PA (GENTH) GENENTECH INC.
 XX Baker KP, Beresini M, DeForge L, Desnoyers L, Flivaroff E, Gao W,
 PI Gerlitsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX WPI, 2003-584997/55.
 DR N-PSDB; ADA45668.
 XX
 PT Novel secreted and transmembrane polypeptide for modulating biological

PT activity of cell expressing the polypeptide, identifying agonists or
 PT antagonists of polypeptide, and as molecular weight markers.
 XX
 PS Claim 12; Fig 150; 659pp; English.
 XX
 CC The invention describes 305 nucleic acids encoding PRO (secreted and
 CC transmembrane) polypeptides (I). (I) is useful for stimulating the
 CC release of TNF-alpha from human blood, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating the proliferation or differentiation of chondrocyte cells,
 CC for stimulating the proliferation of or gene expression in pericyte
 CC cells, for stimulating the release of proteoglycans from cartilage, for
 CC stimulating the proliferation of inner ear utricular supporting cells,
 CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
 CC the release of a cytokine from PBMC cells, for inhibiting the binding of
 CC A-peptide to factor VIIa, for inhibiting the differentiation of adipocyte
 CC cells, for stimulating proliferation of endothelial cells, for detecting
 CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
 CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
 CC are useful for isolating genomic and cDNA nucleotide sequences or
 CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
 CC in assays to identify other proteins or molecules involved in binding
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
 CC and gene mapping, in generation of antisense RNA and DNA, in the
 CC preparation of PRO polypeptide, for generating transgenic animals or
 CC knockout animals which in turn are useful in the development and
 CC screening of therapeutically useful reagents, in gene therapy, for
 CC chromosome identification, as chromosome marker, and for generating
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
 CC detecting its expression in specific cells, tissues or serum, and for
 CC affinity purification of PRO from recombinant cell culture or natural
 CC sources. (I) and (II) are useful for tissue typing. This is the amino
 CC acid sequence of a novel human secreted and transmembrane PRO
 CC polypeptide.
 CC
 SO Sequence 81 AA;
 XX
 Query Match 100.0%; Score 326; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 6, 3e-33;
 Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Oy 1 KRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLCKPCLEPEPRLMVVPALPOV 57
 Db 25 KRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLCKPCLEPEPRLMVVPALPOV 81
 RESULT 15
 ID ADA76100 standard; protein; 81 AA.
 XX
 AC ADA76100;
 XX
 DT 20-NOV-2003 (first entry)
 XX
 DE Human PRO polypeptide #75.
 XX
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KW liver; microvascular endothelial cell; glucose; FFA;
 KW skeletal muscle cell; adipocyte cell; pericyte cell;
 KW inner ear utricular supporting cell; T-lymphocyte cell;
 KW endothelial cell tube formation; bone disorder; cartilage disorder;
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KW immune system cell infiltration.
 XX
 OS Homo sapiens.
 XX
 PN US2003073212-A1.
 XX
 PD 17-APR-2003.
 XX

PR	6-APR-2002,	2002US-00123903,
PR	31-MAR-1997,	97MO-US005230,
PR	12-JUN-1998,	98MO-US001456,
PR	14-JUL-1999,	99MO-US001452,
PR	28-AUG-1998,	98MO-US017888,
PR	10-SEP-1998,	98MO-US018824,
PR	14-SEP-1998,	98MO-US018093,
PR	14-SEP-1998,	98MO-US019094,
PR	16-SEP-1998,	98MO-US019177,
PR	17-SEP-1998,	98MO-US019330,
PR	17-SEP-1998,	98MO-US019437,
PR	07-OCT-1998,	98MO-US021141,
PR	29-OCT-1998,	98MO-US022891,
PR	29-OCT-1998,	98MO-US022992,
PR	10-NOV-1998,	98MO-US024855,
PR	01-DEC-1998,	98MO-US025085,
PR	05-JAN-1999,	99MO-US000106,
PR	08-MAR-1999,	99MO-US000508,
PR	10-MAR-1999,	99MO-US000519,
PR	20-APR-1999,	99MO-US001733,
PR	14-MAY-1999,	99MO-US010633,
PR	02-JUN-1999,	99MO-US021252,
PR	01-SEP-1999,	99MO-US020211,
PR	08-SEP-1999,	99MO-US020594,
PR	13-SEP-1999,	99MO-US020944,
PR	15-SEP-1999,	99MO-US021090,
PR	15-SEP-1999,	99MO-US021547,
PR	05-OCT-1999,	99MO-US023089,
PR	29-NOV-1999,	99MO-US028214,
PR	30-NOV-1999,	99MO-US028313,
PR	30-NOV-1999,	99MO-US028409,
PR	01-DEC-1999,	99MO-US028301,
PR	01-DEC-1999,	99MO-US028634,
PR	02-DEC-1999,	99MO-US028554,
PR	02-DEC-1999,	99MO-US028561,
PR	02-DEC-1999,	99MO-US028565,
PR	16-DEC-1999,	99MO-US030095,
PR	22-DEC-1999,	99MO-US030911,
PR	22-DEC-1999,	99MO-US030999,
PR	22-DEC-1999,	99MO-US030720,
PR	30-DEC-1999,	99MO-US031243,
PR	30-DEC-1999,	99MO-US030129,
PR	05-JAN-2000,	2000MO-US000219,
PR	06-JAN-2000,	2000MO-US000277,
PR	06-JAN-2000,	2000MO-US000376,
PR	11-FEB-2000,	2000MO-US000355,
PR	18-FEB-2000,	2000MO-US004341,
PR	18-FEB-2000,	2000MO-US004342,
PR	22-FEB-2000,	2000MO-US004414,
PR	24-FEB-2000,	2000MO-US004914,
PR	24-FEB-2000,	2000MO-US005601,
PR	02-MAR-2000,	2000MO-US005746,
PR	02-MAR-2000,	2000MO-US005819,
PR	15-MAR-2000,	2000MO-US006381,
PR	20-MAR-2000,	2000MO-US007377,
PR	21-MAR-2000,	2000MO-US007532,
PR	30-MAR-2000,	2000MO-US008439,
PR	17-MAY-2000,	2000MO-US013705,
PR	22-MAY-2000,	2000MO-US014042,
PR	30-MAY-2000,	2000MO-US014941,
PR	02-JUN-2000,	2000MO-US015264,
PR	28-JUL-2000,	2000MO-US020710,
PR	11-AUG-2000,	2000MO-US020731,
PR	23-AUG-2000,	2000MO-US023322,
PR	24-AUG-2000,	2000MO-US023368,
PR	08-NOV-2000,	2000MO-US030952,
PR	10-NOV-2000,	2000MO-US030873,
PR	01-DEC-2000,	2000MO-US032678,
PR	20-DEC-2000,	2000US-00742599,
PR	20-DEC-2000,	2000US-00742956,

PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
XX
PA (GENTH) GENENTECH INC.
XX
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
PI Gerlicthen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart RA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
DR N-PSDB; ADA76099.
XX
XX
XX New isolated nucleic acid encoding a secreted and transmembrane
PT polypeptide, designated e.g. PRO114 or PRO4978, useful in chromosome and
PT gene mapping, in generating antisense RNA and DNA, and in gene therapy.
XX
XX
XX Claim 12; Fig 150; 659pp; English.
XX
XX
XX The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems.
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassemias and conditions which

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RESULT 2

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 3, 2005, 19:33:19 ; Search time 42.1304 Seconds

(without alignment)
692.813 Million cell updates/sec

Title: US-09-724-000A-6

Perfect score: 326

Sequence: 1 KRPAKAWSGRRRLCCHRV.....PCKLEPPRLWVVGALPQV 57

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1612378 seqs, 512079187 residues

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Uniprot_03.*

1: uniprot_sprot.*

2: uniprot_trembl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	326	100.0	81	2	06UMK7
2	72	22.1	173	2	06IGR7
3	72	22.1	688	2	07XUH2
4	72	22.1	763	2	09FU78
5	72	22.1	763	2	09LGD6
6	72	22.1	763	2	09LW12
7	72	22.1	806	2	09LW12
8	69	21.2	86	2	09NOD5
9	66.5	20.4	2307	2	0871Z6
10	66	20.2	315	2	06K9R9
11	65.5	20.1	714	2	P70593 ratfus norv
12	64.5	19.8	817	2	09AN48
13	64	19.6	291	2	075H76
14	63	19.3	217	2	08NDQ0
15	63	19.3	336	2	07T316
16	63	19.3	864	2	09LW12
17	62.5	19.2	434	2	0750V5
18	62.5	19.2	1007	1	ROBA HUMAN
19	62	19.0	536	2	06J5F0
20	62	19.0	586	1	HO YEAST
21	62	19.0	586	2	08U2S8
22	62	19.0	586	2	09P984
23	62	19.0	586	2	09P985
24	62	19.0	586	2	09P986
25	62	19.0	785	2	08VK17
26	62	19.0	785	2	075GM7
27	62	19.0	812	2	0989W6
28	61.5	18.9	90	2	08USN7
29	61	18.7	94	2	08ULN1
30	61	18.7	442	2	088L92
31	61	18.7	491	2	08TEKS

32	61	18.7	1091	2	08IVG0	08ivg0 homo sapien
33	60.5	18.6	97	2	08IP17	08ip17 drosophila
34	60.5	18.6	215	2	0700W8	0700w8 human immun
35	60.5	18.6	862	1	CD22_MOUSE	p35329 mus musculu
36	60.5	18.6	3374	2	08QLE6	08ql64 modoc virus
37	60	18.4	538	2	07UXP3	07uxp3 rhodopirell
38	60	18.4	870	2	08WZM3	08wzm3 neurospora
39	59.5	18.3	287	2	08Z0U5	08z0u5 salmonella
40	59.5	18.3	287	2	08ZJW0	08zjw0 salmonella
41	59.5	18.3	386	2	09ARS6	09ars6 oryza sativ
42	59.5	18.3	484	2	07NIW3	07niw3 gloeobacter
43	59.5	18.3	759	1	PIGQ_HUMAN	09bri3 homo sapien
44	59.5	18.3	1172	1	TSP2_MOUSE	003350 mus musculu
45	59.5	18.3	1172	2	Q7TWT3	Q7twt3 mus musculu

ALIGNMENTS

RESULT 1

ID	Query Match	Length	Score	DB 2	Length	Score	DB 2
06UMK7	100.0%	81	326	2	81	326	2
06IGR7	100.0%	173	72	2	173	72	2
07XUH2	100.0%	688	72	2	688	72	2
09FU78	100.0%	763	72	2	763	72	2
09LGD6	100.0%	763	72	2	763	72	2
09LW12	100.0%	763	72	2	763	72	2
09LW12	100.0%	806	72	2	806	72	2
09NOD5	100.0%	86	69	2	86	69	2
0871Z6	100.0%	2307	66.5	2	2307	66.5	2
06K9R9	100.0%	315	66	2	315	66	2
P70593 ratfus norv	100.0%	714	65.5	2	714	65.5	2
09AN48	100.0%	817	64.5	2	817	64.5	2
075H76	100.0%	291	64	2	291	64	2
08NDQ0	100.0%	217	63	2	217	63	2
07T316	100.0%	336	63	2	336	63	2
09LW12	100.0%	864	63	2	864	63	2
0750V5	100.0%	434	62.5	2	434	62.5	2
ROBA HUMAN	100.0%	1007	62.5	1	1007	62.5	1
06J5F0	100.0%	536	62	2	536	62	2
HO YEAST	100.0%	586	62	1	586	62	1
08U2S8	100.0%	586	62	2	586	62	2
09P984	100.0%	586	62	2	586	62	2
09P985	100.0%	586	62	2	586	62	2
09P986	100.0%	586	62	2	586	62	2
08VK17	100.0%	785	62	2	785	62	2
075GM7	100.0%	785	62	2	785	62	2
0989W6	100.0%	812	62	2	812	62	2
08USN7	100.0%	90	61.5	2	90	61.5	2
08ULN1	100.0%	94	61	2	94	61	2
088L92	100.0%	442	61	2	442	61	2
08TEKS	100.0%	491	61	2	491	61	2

SEQUENCE FROM N.A.

MEMLINE=22887296; Pubmed=12975309; DOI=10.1101/gr.1293003;
Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,
Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
Huang A., Kim H.S., Kimowski L., Jin Y., Johnson S., Lee J.,
Lewis L., Lao D., Mark M., Robble E., Sanchez C., Schoenfeld J.,
Seehagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,
Vandlen R., Watanabe C., Wileand D., Woods K., Xie M.H., Yansura D.,
Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,
Godowski P.,
"The secreted protein discovery initiative (SPDI), a large-scale
effort to identify novel human secreted and transmembrane proteins: a
bioinformatics assessment."
Genome Res. 13:2265-2270(2003).
EMBL: AY358751; AAC09111.1; "
SEQUENCE 81 AA; 9173 MW; 276E720364160B8A CRC64;

Query Match 100.0%; Score 326; DB 2; Length 81;
Best Local Similarity 100.0%; Pred. No. 4, 6e-32;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 KRPAKAWSGRRRLCCHRVSPNLTLLKHHVRLCPCKLEPPRLWVVGALPQV 57

25 KRPAKAWSGRRRLCCHRVSPNLTLLKHHVRLCPCKLEPPRLWVVGALPQV 81

06IGR7 PRELIMINARY; PRT; 173 AA.

05-JUL-2004 (TREMBLrel. 27, Created)

05-JUL-2004 (TREMBLrel. 27, Last sequence update)

05-JUL-2004 (TREMBLrel. 27, Last annotation update)

HDC05573; ORFNames=HDC05573;

Drosophila melanogaster (fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
OC Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.

Query Match	22.1%	Score 72;	DB 2;	Length 173;
Best Local Similarity	31.6%	Pred. No. 89;		
Matches	24;	Conservative	6;	Matches 16;
				Indels 30;
				Gaps 5;

Query Match	22.1%	Score 72;	DB 2;	Length 688;
Best Local Similarity	31.1%	Pred. No. 37;		
Matches	23;	Conservative	8;	Matches 17;
				Indels 26;
				Gaps 5

Oy		KRPAKAM-----SGRRTRL---C-CHRVSPNSTLKGH---HVLCKPCKLE	42
	:	:	:
Dd		71 KTKTSKWDDDEBELYETTNNGNRVAFKACNYCHKLTLSARSSAGTGLHLRHITSCKRKLG	130
Oy		43 PEPRLMVVGALPQ 56	
	:	:	:
Dd		131 -----SNALPQ 136	

RESULT 4			
ID	O9FU78	PRELIMINARY;	PRT; 763 AA.
AC	O9FU78;		
DT	01-MAR-2001 (TREMBLrel. 16, Created)		
DT	01-MAR-2001 (TREMBLrel. 16, Last sequence update)		
DT	25-OCT-2004 (TREMBLrel. 28, Last annotation update)		
DE	Putative Tam3 transposase.		
GN	Name=PO019D06.25; Synonyms=P0024G09.13;		
OS	Oryza sativa (Japonica cultivar-group).		
OC	Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;		
OC	Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;		
OX	Ehretioideae; Oryzaceae; Oryza.		
RN	NCBI_TaxID=39947;		
RP	[1]		
RP	SEQUENCE FROM N.A.		
RX	PubMed=12447438; DOI=10.1038/nature01184;		
RA	Sasaki T., Matsumoto T., Yamamoto K., Sakata K., Baba T., Katayose Y.,		
RA	Wu J., Nilmuta Y., Cheng Z., Nagamura Y., Antonio B.A., Kanamori H.,		
RA	Hosokawa S., Maekawa M., Arikawa K., Chiden Y., Hayashi M.,		
RA	Okamoto M., Ando T., Aoki H., Arita K., Hamada M., Harada C.,		
RA	Hijishita S., Honda M., Ichikawa Y., Idonuma A., Iijima M., Ikeda M.,		
RA	Ikeno M., Itoh S., Itoh T., Itoh Y., Itoh Y., Iwabuchi A., Kamiya K.,		
RA	Kasawa W., Katagiri S., Kikuta A., Kobayashi N., Kono I.,		
RA	Machita K., Maehara T., Mizuno H., Mizubayashi T., Mukai Y.,		
RA	Nagasaki H., Nakashima M., Nakama Y., Nakamichi Y., Nakamura M.,		
RA	Nagaki N., Negishi M., Ohta I., Ono N., Saij S., Sakai K., Shibata M.,		
RA	Shimokawa T., Shomura A., Song J., Takazaki Y., Terasawa K., Tsuji K.,		
RA	Waki K., Yamagata H., Yamane H., Yoshiki S., Yoshihara R., Yukawa K.,		
RA	Zhong H., Iwama H., Endo T., Ito H., Hahn J.H., Kim H.I., Eun M.Y.,		
RA	Yano M., Jiang J., Gojobori T.;		
RT	"The genome sequence and structure of rice chromosome 1."		
RL	Nature 420:312-316(2002).		
DR	EMBL; AP002483; BABI6466.1; -		
DR	EMBL; AP003311; BABA0121.1; -		
DR	Graeme: O9FU78; -		
DR	GO; GO:0003677; F:DNA binding; IEA.		
DR	GO; GO:0046983; F:protein dimerization activity; IEA.		
DR	InterPro; IPR003656; BED_finger.		
DR	InterPro; IPR000345; CYC_heme_BS.		
DR	InterPro; IPR008906; HATC.		
DR	Pfam; PF05699; hATC. 1.		
DR	Pfam; PF02892; zE-BED. 1.		
DR	SMART; SM00614; ZnF_BED. 1.		
DR	PROSITE; PS00190; CYTOCHROME_C; UNKNOWN 1.		
DR	PROSITE; PS50808; ZF BED. 1.		
SO	SEQUENCE 763 AA; 84214 MW; 13PE68993BFB042F CRC64;		

Query Match	22.1%;	Score 72;	DB 2;	Length 763;
Best Local Similarity	31.1%;	Fold No. 4.1;		
Matches	23;	Conservative	8;	Mismatches 17; Indels 26; Gaps 5

Oy		1 KRPAKAM-----SGRRTRL---C-CHRVSPNSTLKGH---HVLCKPCKLE	42
	:	:	:
Dd		71 KTKTSKWDDDEBELYETTNNGNRVAFKACNYCHKLTLSARSSAGTGLHLRHITSCKRKLG	130
Oy		43 PEPRLMVVGALPQ 56	
	:	:	:
Dd		131 -----SNALPQ 136	

RESULT 5	
O9LG06	